

Organics

Organic Data Qualifiers

- U** Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.
- J** Indicates estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.
- B** Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.
- E** Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.
- D** Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.
- C** The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.
- P** This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.
- N** This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.
- A** This qualifier indicates that a TIC is a suspected aldol-condensation product.
- X** Data flagged as rejected by analyst utilizing analytical judgement.

Organic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

- DL** Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.
- R** Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.
- RE** Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.
- MS** Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).
- SD** Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

GC/MS VOLATILE ORGANICS
METHOD 8260

**CASE NARRATIVE
GC/MS VOLATILE ORGANICS**

PEL Lab Reference No./SDG: 2509538

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

- A. Sample Preparation:** All holding times were met.
- B. Sample Analysis:** All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

Water samples were prepared by SW846/5030 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met. PEL does not analyze a low calibration standard at the requested RL for all analytes. The low calibration standard is 2 UG/L for Methylene chloride.

B. Blanks:

All acceptance criteria were met. Please note that Blank 061708BLKA22 was analyzed with the water samples on 06/17/08. The following analyte was detected below RL: Methylene chloride at 0.53 UG/L.

No further action was necessary. Samples coded accordingly.

C. Surrogates:

All acceptance criteria were met with the exception of:

Sample TB-061208 was recovered below criteria for the following surrogate(s): Dibromofluoromethane at 84.4 % with criteria of (86-118).

Since there was only one vial, the sample was compromised and could not be reanalyzed. Samples coded accordingly.

**CASE NARRATIVE
GC/MS VOLATILE ORGANICS**

PEL Lab Reference No./SDG: 2509538

Client: CH2M Hill

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:

LCS 061708LCSA22 was analyzed with the water samples on 06/17/08. The following analyte(s) were recovered below criteria: 1,2,3-Trichloropropane at 74 % with criteria of (84-119), 2-Butanone at 69.7 % with criteria of (76-124), Acrolein at 0 % with criteria of (61-125). The following analyte(s) were recovered above criteria: 1,2,3-Trichlorobenzene at 144 % with criteria of (73-141), Hexachlorobutadiene at 154 % with criteria of (68-149), n-Butylbenzene at 128 % with criteria of (83-125). The following analyte(s) had marginal exceedance limit failures: 1,2,3-Trichloropropane at 74 % with criteria of (78.2-124.8), Acrolein at 0 % with criteria of (50.3-135.7). No further action was taken, since the analyte list changed to a longer list and these analytes were not previously an issue.

LCS 061708LCSA22D was analyzed with the water samples on 06/17/08. The following analyte(s) were recovered below criteria: 2-Butanone at 67 % with criteria of (76-124), Acrolein at 15.8 % with criteria of (61-125). The following analyte(s) exceeded RPD criteria: 1,2,3-Trichloropropane at 25.4 % with criteria of (20), Acrolein at 200 % with criteria of (20), Hexachlorobutadiene at 20.5 % with criteria of (20), Naphthalene at 20.9 % with criteria of (20), o-Xylene at 22.3 % with criteria of (20). No further action was required. The following analyte(s) had marginal exceedance limit failures: 2-Butanone at 67 % with criteria of (68-132), Acrolein at 15.8 % with criteria of (50.3-135.7). No further action was taken, since the analyte list changed to a longer list and these analytes were not previously an issue.

Samples coded accordingly.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used.

Please note that this is a resubmittal due to the analyte list being changed by the project chemist.

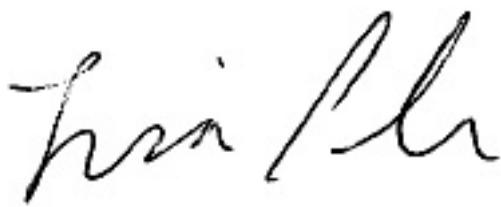
Analytes were detected in Trip Blank TB-061208. The following analyte was detected above RL: Methylene chloride at 2.8 UG/L.

**CASE NARRATIVE
GC/MS VOLATILE ORGANICS**

PEL Lab Reference No./SDG: 2509538

Client: CH2M Hill

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.



SIGNED:

DATE: 07/11/2008

VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
Lab Code : PEL Case No. SAS No: SDG No.: 2509538

Method: 8260

EPA Sample No	Lab Sample ID
<u>MW-117-W-00</u>	<u>250953801</u>
<u>EB-061208</u>	<u>250953802</u>
<u>TB-061208</u>	<u>250953803</u>

EPA Sample No	Lab Sample ID
<u>MW-117-W-00</u>	<u>250953801</u>
<u>EB-061208</u>	<u>250953802</u>
<u>TB-061208</u>	<u>250953803</u>

Sample Data

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	MW-117-W-00
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	250953801 Lab File ID: 53801.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/13/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 1250
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	0.57	J
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	MW-117-W-00
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	250953801 Lab File ID: 53801.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/13/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 1250
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	MW-117-W-00
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	250953801 Lab File ID: 53801.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/13/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 1250
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	EPA Sample No. EB-061208
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	250953802 Lab File ID: 53802.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/13/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 1316
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	EPA Sample No. EB-061208
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	250953802 Lab File ID: 53802.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/13/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 1316
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	EB-061208
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	250953802 Lab File ID: 53802.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/13/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 1316
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18	(mm)	
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	TB-061208
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	250953803 Lab File ID: 53803.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/13/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 1010
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	2.8	B
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	TB-061208
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	250953803 Lab File ID: 53803.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/13/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 1010
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	TB-061208
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	250953803 Lab File ID: 53803.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/13/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 1010
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

QC Summary

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP R1 / 364298.01.SL.R1.FW	061708BLKA22
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	061708BLKA22 Lab File ID: BLK22.D
Sample wt/vol:	5	Units: ML	Date Received:	06/17/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	06/17/08 Time: 0945
Percent Solids:	0	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18 (mm)		
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	0.53	J
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP R1 / 364298.01.SL.R1.FW	061708BLKA22
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	061708BLKA22 Lab File ID: BLK22.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/17/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 0945
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18	(mm)
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP R1 / 364298.01.SL.R1.FW	061708BLKA22
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Matrix:	WATER		Lab Sample ID:	061708BLKA22 Lab File ID: BLK22.D
Sample wt/vol:	5	Units:	ML	Date Received: 06/17/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 06/17/08 Time: 0945
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

VOLATILE ORGANIC METHOD BLANK SUMMARY

Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP R1 / 364298.01.SL.R1.FW	EPA Sample No. 061708BLKA22
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509538
Lab File ID:	BLK22.D		Lab Sample ID:	061708BLKA22
Instrument ID:	VMS02		Date Extracted:	
Matrix:	WATER		Date Analyzed:	06/17/08
Level:(low/med)	LOW		Time Analyzed:	0945

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	061708LCSA22	061708LCSA22	LCS22.D	06/17/08	0828
2	061708LCSA22D	061708LCSA22D	LCS22D.D	06/17/08	0854
3	TB-061208	250953803	53803.D	06/17/08	1010
4	MW-117-W-00	250953801	53801.D	06/17/08	1250
5	EB-061208	250953802	53802.D	06/17/08	1316

COMMENTS:

Page 1 of 1

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WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FLab Code : PEL Case No. SAS No: SDG NO.: 2509538Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
061708BLKA22	90.2	96.6	90.6	99.4			0
061708LCSA22	97.6	98.8	100.0	101.0			0
061708LCSA22D	95.6	99.6	102.0	101.0			0
EB-061208	92.8	97.6	102.0	105.0			0
MW-117-W-00	98.6	99.6	104.0	107.0			0
TB-061208	84.4 *	88.6	98.4	95.2			1

Control Limits

S1 = Dibromofluoromethane	86 - 118
S2 = Toluene d8	88 - 110
S3 = 4-Bromofluorobenzene	86 - 115
S4 = 1,2-Dichloroethane-d4	80 - 120

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Lab File ID: BFB21.D BFB Injection Date: 06/14/08
 Instrument ID: VMS02 BFB Injection Time: 1637
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	29.3
75	30.0 - 60.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.9 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	64.5 (96.1)1
177	5.0 - 9.0% of mass 176	4.2 (6.5)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD612667	1ppb	CAL1R.D	06/14/08	1733
2	STD612677	5ppb	CAL3.D	06/14/08	1826
3	STD612666	10ppb	CAL4.D	06/14/08	1852
4	STD612675	2ppb	CAL2R.D	06/14/08	1917
5	STD612668	20ppb	CAL5.D	06/14/08	1943
6	STD612676	50ppb	CAL6.D	06/14/08	2009
7	STD612678	60ppb	CAL7.D	06/14/08	2034
8	STD612679	80ppb	CAL8.D	06/14/08	2100
9	SSC612680	sec21	SEC21.D	06/14/08	2151

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Lab File ID: BFB21.D BFB Injection Date: 06/17/08
 Instrument ID: VMS02 BFB Injection Time: 0708
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	30.1
75	30.0 - 60.0% of mass 95	59.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.2 (7.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	64.2 (95.5)1
177	5.0 - 9.0% of mass 176	3.2 (5)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV612841	061708CCV21	CCV21.D	06/17/08	0738
2	061708LCSA22	061708LCSA22	LCS22.D	06/17/08	0828
3	061708LCSA22D	061708LCSA22	LCS22D.D	06/17/08	0854
4	061708BLKA22	061708BLKA22	BLK22.D	06/17/08	0945
5	TB-061208	250953803	53803.D	06/17/08	1010
6	MW-117-W-00	250953801	53801.D	06/17/08	1250
7	EB-061208	250953802	53802.D	06/17/08	1316

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL, Spectrum Analytical, Inc.Contract: SLOP R1 / 364298.01.SL.R1.FWLab Code : PEL Case No. SAS No: SDG No.: 2509538Lab File ID (Standard): CAL6.DDate Analyzed: 6/14/2008Instrument ID: VMS02Time Analyzed: 20:09GC Column: DB-624ID: 0.18 (mm)Matrix: (soil/water) WHeated Purge: (Y/N) No

	IS1 AREA #	RT	IS2 AREA #	RT	IS3 AREA #	RT
MID CAL STD	821368	10.94	370885	13.78	1394542	7.22
UPPER LIMIT	1642736	11.44	741770	14.28	2789084	7.72
LOWER LIMIT	410684	10.44	185442.5	13.28	697271	6.72
EPA SAMPLE NO.						
1 061708LCSA22	784317	10.94	340092	13.78	1342932	7.22
2 061708LCSA22D	796101	10.94	346012	13.78	1365955	7.22
3 061708BLKA22	794799	10.94	322267	13.78	1344240	7.22
4 TB-061208	792403	10.94	299706	13.78	1364163	7.22
5 MW-117-W-00	767101	10.94	306795	13.77	1272151	7.22
6 EB-061208	793378	10.94	310654	13.77	1307742	7.22

IS1 = Chlorobenzene d5

UPPER LIMIT = +100%

IS2 = 1,4-Dichlorobenzene-d4

of internal standard area.

IS3 = Fluorobenzene

LOWER LIMIT = -50%

of internal standard area

Column used to flag internal standard area values with an asterisk

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

061708LCSA22

Lab Code : PEL Case No. SAS No: SDG No.: 2509538

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	15.6	78.0		20.0	62 - 133
Chloromethane	20	18.5	92.5		20.0	63 - 124
Vinyl chloride	20	19.4	97.0		20.0	60 - 124
Bromomethane	20	21	105.0		20.0	58 - 144
Chloroethane	20	18.2	91.0		20.0	72 - 135
Trichlorofluoromethane	20	20	100.0		21.0	74 - 135
1,1-Dichloroethene	20	20.9	104.0		20.0	81 - 119
Acrolein	60	0	0.0 *		20.0	61 - 125
Methyl iodide	20	20.6	103.0		20.0	56 - 133
Carbon disulfide	20	20.5	102.0		20.0	65 - 121
Methylene chloride	20	19.2	96.0		20.0	75 - 111
trans-1,2-Dichloroethene	20	21.3	106.0		20.0	79 - 121
Acrylonitrile	60	45.9	76.5		20.0	62 - 132
1,1-Dichloroethane	20	20.9	104.0		20.0	76 - 118
Acetone	60	36.2	60.3		20.0	45 - 156
2,2-Dichloropropane	20	22.5	112.0		20.0	52 - 147
cis-1,2-Dichloroethene	20	21.3	106.0		20.0	75 - 123
Bromochloromethane	20	19.6	98.0		20.0	70 - 116
2-Butanone	60	41.8	69.7 *		20.0	76 - 124
Chloroform	20	19.8	99.0		20.0	80 - 115
1,1,1-Trichloroethane	20	21	105.0		20.0	79 - 123
Carbon tetrachloride	20	20.2	101.0		20.0	67 - 138
1,1-Dichloropropene	20	20.6	103.0		20.0	80 - 119
Benzene	20	20.9	104.0		20.0	71 - 120
1,2-Dichloroethane	20	19	95.0		20.0	83 - 114
Trichloroethene	20	21	105.0		20.0	76 - 123
Vinyl acetate	20	18.8	94.0		20.0	49 - 136
1,2-Dichloropropane	20	20.2	101.0		20.0	74 - 118
Dibromomethane	20	19.7	98.5		20.0	75 - 119
Bromodichloromethane	20	19.5	97.5		20.0	78 - 117
cis-1,3-Dichloropropene	20	19.1	95.5		20.0	63 - 129
4-Methyl-2-pentanone	60	49.5	82.5		20.0	61 - 134

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

061708LCSA22

Lab Code : PEL

Case No. _____

SAS No: _____

SDG No.: 2509538

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Toluene	20	20.3	102.0		20.0	75 - 119
trans-1,3-Dichloropropene	20	18.6	93.0		20.0	68 - 127
1,1,2-Trichloroethane	20	20	100.0		20.0	80 - 117
Tetrachloroethene	20	20.6	103.0		20.0	70 - 130
1,3-Dichloropropane	20	18	90.0		20.0	83 - 112
2-Hexanone	60	52.8	88.0		20.0	75 - 132
Dibromochloromethane	20	18.2	91.0		20.0	78 - 123
1,2-Dibromoethane(EDB)	20	19.4	97.0		20.0	84 - 121
Chlorobenzene	20	21.5	108.0		20.0	70 - 130
1,1,1,2-Tetrachloroethane	20	21	105.0		20.0	75 - 133
Ethylbenzene	20	21	105.0		20.0	70 - 130
p,m-Xylene	40	44.3	111.0		20.0	70 - 130
o-Xylene	20	17.5	87.5		20.0	70 - 130
Styrene	20	22.4	112.0		20.0	70 - 130
Bromoform	20	16.4	82.0		20.0	71 - 128
Isopropylbenzene (Cumene)	20	21.8	109.0		20.0	83 - 123
Bromobenzene	20	22.3	112.0		20.0	74 - 120
1,1,2,2-Tetrachloroethane	20	18.6	93.0		20.0	84 - 113
1,2,3-Trichloropropane	20	14.8	74.0 *		20.0	84 - 119
n-Propylbenzene	20	22.2	111.0		20.0	82 - 121
2-Chlorotoluene	20	22.2	111.0		20.0	70 - 130
4-Chlorotoluene	20	22.9	114.0		20.0	83 - 123
1,3,5-Trimethylbenzene	20	22.5	112.0		20.0	84 - 124
tert-Butylbenzene	20	23.3	116.0		20.0	82 - 125
1,2,4-Trimethylbenzene	20	23.1	116.0		20.0	82 - 124
sec-Butylbenzene	20	22.2	111.0		20.0	83 - 122
1,3-Dichlorobenzene	20	23.1	116.0		20.0	84 - 118
1,4-Dichlorobenzene	20	22.1	110.0		20.0	70 - 130
4-Isopropyltoluene	20	25.2	126.0		20.0	83 - 126
n-Butylbenzene	20	25.6	128.0 *		20.0	83 - 125
1,2-Dichlorobenzene	20	23.3	116.0		20.0	70 - 130
1,2-Dibromo-3-chloropropane	20	20.1	100.0		20.0	63 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

061708LCSA22

Lab Code : PEL Case No. SAS No: SDG No.: 2509538

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	20	21.9	110.0		20.0	83 - 123
Hexachlorobutadiene	20	30.7	154.0 *		20.0	68 - 149
Naphthalene	20	25.9	130.0		20.0	80 - 131
1,2,3-Trichlorobenzene	20	28.9	144.0 *		20.0	73 - 141
MTBE	20	18.9	94.5		20.0	76 - 123

Spike Recovery: 6 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

061708LCSA22D

Lab Code : PEL Case No. SAS No: SDG No.: 2509538

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	15.2	76.0	2.6	20.0	62 - 133
Chloromethane	20	22.5	112.0	19.5	20.0	63 - 124
Vinyl chloride	20	17.8	89.0	8.6	20.0	60 - 124
Bromomethane	20	19.2	96.0	9.0	20.0	58 - 144
Chloroethane	20	21.7	108.0	17.5	20.0	72 - 135
Trichlorofluoromethane	20	19	95.0	5.1	21.0	74 - 135
1,1-Dichloroethene	20	20.1	100.0	3.9	20.0	81 - 119
Acrolein	60	9.5	15.8 *	200.0 *	20.0	61 - 125
Methyl iodide	20	20.8	104.0	1.0	20.0	56 - 133
Carbon disulfide	20	20.1	100.0	2.0	20.0	65 - 121
Methylene chloride	20	19.6	98.0	2.1	20.0	75 - 111
trans-1,2-Dichloroethene	20	20.1	100.0	5.8	20.0	79 - 121
Acrylonitrile	60	44	73.3	4.2	20.0	62 - 132
1,1-Dichloroethane	20	20.1	100.0	3.9	20.0	76 - 118
Acetone	60	42	70.0	14.8	20.0	45 - 156
2,2-Dichloropropane	20	21.8	109.0	3.2	20.0	52 - 147
cis-1,2-Dichloroethene	20	20.5	102.0	3.8	20.0	75 - 123
Bromochloromethane	20	20	100.0	2.0	20.0	70 - 116
2-Butanone	60	40.2	67.0 *	3.9	20.0	76 - 124
Chloroform	20	19.5	97.5	1.5	20.0	80 - 115
1,1,1-Trichloroethane	20	20.9	104.0	0.5	20.0	79 - 123
Carbon tetrachloride	20	21	105.0	3.9	20.0	67 - 138
1,1-Dichloropropene	20	21.8	109.0	5.7	20.0	80 - 119
Benzene	20	20.6	103.0	1.4	20.0	71 - 120
1,2-Dichloroethane	20	19.1	95.5	0.5	20.0	83 - 114
Trichloroethene	20	22	110.0	4.7	20.0	76 - 123
Vinyl acetate	20	19.1	95.5	1.6	20.0	49 - 136
1,2-Dichloropropane	20	20.9	104.0	3.4	20.0	74 - 118
Dibromomethane	20	20	100.0	1.5	20.0	75 - 119
Bromodichloromethane	20	20.7	104.0	6.0	20.0	78 - 117
cis-1,3-Dichloropropene	20	19.4	97.0	1.6	20.0	63 - 129
4-Methyl-2-pentanone	60	53.3	88.8	7.4	20.0	61 - 134

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

061708LCSA22D

Lab Code : PEL Case No. SAS No: SDG No.: 2509538

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Toluene	20	20.6	103.0	1.5	20.0	75 - 119
trans-1,3-Dichloropropene	20	19.9	99.5	6.8	20.0	68 - 127
1,1,2-Trichloroethane	20	21.2	106.0	5.8	20.0	80 - 117
Tetrachloroethene	20	21	105.0	1.9	20.0	70 - 130
1,3-Dichloropropane	20	19.2	96.0	6.5	20.0	83 - 112
2-Hexanone	60	58.5	97.5	10.2	20.0	75 - 132
Dibromochloromethane	20	17.8	89.0	2.2	20.0	78 - 123
1,2-Dibromoethane(EDB)	20	19.3	96.5	0.5	20.0	84 - 121
Chlorobenzene	20	21.9	110.0	1.8	20.0	70 - 130
1,1,1,2-Tetrachloroethane	20	21.2	106.0	0.9	20.0	75 - 133
Ethylbenzene	20	21.5	108.0	2.4	20.0	70 - 130
p,m-Xylene	40	42.5	106.0	4.1	20.0	70 - 130
o-Xylene	20	21.9	110.0	22.3 *	20.0	70 - 130
Styrene	20	23.5	118.0	4.8	20.0	70 - 130
Bromoform	20	17.9	89.5	8.7	20.0	71 - 128
Isopropylbenzene (Cumene)	20	21.1	106.0	3.3	20.0	83 - 123
Bromobenzene	20	22.2	111.0	0.4	20.0	74 - 120
1,1,2,2-Tetrachloroethane	20	19.9	99.5	6.8	20.0	84 - 113
1,2,3-Trichloropropane	20	19.1	95.5	25.4 *	20.0	84 - 119
n-Propylbenzene	20	21.3	106.0	4.1	20.0	82 - 121
2-Chlorotoluene	20	21.3	106.0	4.1	20.0	70 - 130
4-Chlorotoluene	20	21.8	109.0	4.9	20.0	83 - 123
1,3,5-Trimethylbenzene	20	21.4	107.0	5.0	20.0	84 - 124
tert-Butylbenzene	20	21.9	110.0	6.2	20.0	82 - 125
1,2,4-Trimethylbenzene	20	21.4	107.0	7.6	20.0	82 - 124
sec-Butylbenzene	20	21.2	106.0	4.6	20.0	83 - 122
1,3-Dichlorobenzene	20	22.3	112.0	3.5	20.0	84 - 118
1,4-Dichlorobenzene	20	20.5	102.0	7.5	20.0	70 - 130
4-Isopropyltoluene	20	23	115.0	9.1	20.0	83 - 126
n-Butylbenzene	20	23.5	118.0	8.6	20.0	83 - 125
1,2-Dichlorobenzene	20	21.8	109.0	6.7	20.0	70 - 130
1,2-Dibromo-3-chloropropane	20	18.2	91.0	9.9	20.0	63 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

061708LCSA22D

Lab Code : PEL Case No. SAS No: SDG No.: 2509538

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	20	21.4	107.0	2.3	20.0	83 - 123
Hexachlorobutadiene	20	25	125.0	20.5 *	20.0	68 - 149
Naphthalene	20	21	105.0	20.9 *	20.0	80 - 131
1,2,3-Trichlorobenzene	20	24.2	121.0	17.7	20.0	73 - 141
MTBE	20	19	95.0	0.5	20.0	76 - 123

Spike Recovery: 2 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Standards Data

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Instrument ID: VMS02 Calibration Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 1733 End: 2100
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	<u>RRF</u>	%RSD OR R^2
	RRF1 =CAL1R.D	RRF2 =CAL2R.D	RRF5 =CAL3.D	RRF10 =CAL4.D	RRF20 =CAL5.D		
Dichlorodifluoromethane	0.462	0.450	0.470	0.469	0.462		
Chloromethane	# 0.938	0.555	0.560	0.490	0.451		#
Vinyl chloride	* 0.445	0.421	0.490	0.429	0.430		*
Bromomethane	0.250	0.232	0.261	0.250	0.247		
Chloroethane	0.356	0.329	0.271	0.289	0.246		
Trichlorofluoromethane	0.535	0.485	0.546	0.498	0.504		
1,1-Dichloroethene	* 0.511	0.501	0.595	0.532	0.516		*
Acrolein		0.016	0.017	0.018	0.021		
Methyl iodide	0.417	0.417	0.411	0.378	0.384		
Carbon disulfide	0.699	0.619	0.615	0.568	0.588		
Methylene chloride		0.389	0.357	0.320	0.306		
trans-1,2-Dichloroethene	0.507	0.552	0.544	0.512	0.523		
Acrylonitrile	0.048	0.043	0.054	0.063	0.066		
1,1-Dichloroethane	# 0.614	0.690	0.609	0.620	0.606		#
Acetone		0.111	0.102	0.108	0.090		
2,2-Dichloropropane	0.483	0.464	0.479	0.458	0.448		
cis-1,2-Dichloroethene	0.306	0.279	0.298	0.286	0.295		
Bromochloromethane	0.305	0.310	0.364	0.330	0.347		
2-Butanone	0.108	0.096	0.092	0.111	0.092		
Chloroform	* 0.785	0.720	0.661	0.645	0.622		*
1,1,1-Trichloroethane	0.370	0.416	0.452	0.419	0.441		
Carbon tetrachloride	0.332	0.288	0.305	0.322	0.321		
1,1-Dichloropropene	0.486	0.396	0.426	0.426	0.453		
Benzene	1.167	1.172	1.186	1.168	1.132		
1,2-Dichloroethane	0.513	0.590	0.561	0.562	0.530		
Trichloroethene	0.194	0.228	0.205	0.226	0.226		
Vinyl acetate	1.301	1.332	1.232	1.269	1.281		
1,2-Dichloropropane	* 0.321	0.277	0.278	0.320	0.315		*
Dibromomethane	0.128	0.172	0.129	0.164	0.153		
Bromodichloromethane	0.334	0.322	0.345	0.368	0.388		
cis-1,3-Dichloropropene	0.287	0.295	0.329	0.335	0.369		
4-Methyl-2-pentanone		0.198	0.201	0.212	0.209		
Toluene	* 0.649	0.727	0.660	0.626	0.626		*
trans-1,3-Dichloropropene	0.143	0.224	0.245	0.278	0.292		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Instrument ID: VMS02 Calibration Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 1733 End: 2100
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	<u>RRF</u>	%RSD OR R^2
	RRF1 =CAL1R.D RRF5 =CAL3.D	RRF2 =CAL2R.D RRF10 =CAL4.D	RRF5 =CAL5.D	RRF10	RRF20		
1,1,2-Trichloroethane	0.135	0.138	0.153	0.156	0.163		
Tetrachloroethene	0.242	0.236	0.246	0.270	0.263		
1,3-Dichloropropane	0.729	0.643	0.592	0.616	0.661		
2-Hexanone		0.186	0.180	0.217	0.238		
Dibromochloromethane	0.182	0.197	0.226	0.272	0.282		
1,2-Dibromoethane(EDB)	0.181	0.301	0.260	0.294	0.267		
Chlorobenzene	# 0.871	1.003	0.977	1.002	1.018		#
1,1,1,2-Tetrachloroethane	0.278	0.245	0.268	0.305	0.344		
Ethylbenzene	* 0.435	0.544	0.522	0.512	0.525		*
p,m-Xylene	0.561	0.696	0.596	0.658	0.645		
o-Xylene	1.503	1.615	1.553	1.556	1.640		
Styrene	0.732	0.866	0.849	1.029	1.038		
Bromoform	# 0.040	0.093	0.080	0.106	0.116		#
Isopropylbenzene (Cumene)	3.347	4.190	3.507	3.606	3.567		
Bromobenzene	1.535	1.660	1.875	1.897	1.819		
1,1,2,2-Tetrachloroethane	# 0.618	0.669	0.694	0.751	0.720		#
1,2,3-Trichloropropane	0.238	0.225	0.136	0.177	0.193		
n-Propylbenzene	4.841	5.050	4.404	4.714	4.509		
2-Chlorotoluene	4.841	5.050	4.404	4.714	4.509		
4-Chlorotoluene	3.124	3.924	3.360	3.491	3.341		
1,3,5-Trimethylbenzene	2.946	3.257	2.883	2.875	2.878		
tert-Butylbenzene	1.565	2.431	1.926	2.028	1.915		
1,2,4-Trimethylbenzene	2.674	2.939	2.798	2.850	2.863		
sec-Butylbenzene	2.934	3.964	3.078	3.081	3.055		
1,3-Dichlorobenzene	1.304	1.511	1.386	1.395	1.370		
1,4-Dichlorobenzene	2.281	1.894	1.700	1.601	1.517		
4-Isopropyltoluene	2.137	2.827	2.221	2.346	2.345		
n-Butylbenzene	1.911	2.556	2.203	2.266	2.304		
1,2-Dichlorobenzene	1.078	1.368	1.159	1.194	1.201		
1,2-Dibromo-3-chloropropane		0.028	0.056	0.049	0.076		
1,2,4-Trichlorobenzene	0.257	0.487	0.298	0.432	0.498		
Hexachlorobutadiene	0.097	0.430	0.168	0.257	0.244		
Naphthalene	0.521	0.533	0.323	0.480	0.553		
1,2,3-Trichlorobenzene	0.293	0.584	0.287	0.371	0.350		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Instrument ID: VMS02 Calibration Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 1733 End: 2100
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID:	RRF1 =CAL1R.D			RRF2 =CAL2R.D			%RSD OR R^2
RRF5 =CAL3.D	RRF10 =CAL4.D			RRF20 =CAL5.D			
COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	<u>RRF</u>	
MTBE	0.647	0.602	0.608	0.641	0.617		
Dibromofluoromethane(SURR)		0.358	0.236	0.282	0.312		
Toluene d8(SURR)		1.169	0.810	0.866	0.959		
4-Bromofluorobenzene(SURR)		1.732	1.176	1.273	1.430		
1,2-Dichloroethane-d4(SURR)		0.058	0.029	0.044	0.059		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Instrument ID: VMS02 Calibration Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 1733 End: 2100
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF50 =CAL6.D			RRF60 =CAL7.D			%RSD OR R^2
	RRF50	RRF60	RRF80	RRF			
Dichlorodifluoromethane	0.461	0.476	0.535			0.47311	5.6
Chloromethane	# 0.426	0.448	0.507			0.54684	0.99892 #
Vinyl chloride	* 0.429	0.465	0.539			0.45592	8.9 *
Bromomethane	0.236	0.256	0.302			0.25421	8.5
Chloroethane	0.249	0.260	0.311			0.28865	13.8
Trichlorofluoromethane	0.524	0.518	0.627			0.52969	8.3
1,1-Dichloroethene	* 0.531	0.557	0.539			0.53537	5.5 *
Acrolein	0.020	0.020	0.021			0.01909	10.3
Methyl iodide	0.398	0.404	0.389			0.39972	3.8
Carbon disulfide	0.615	0.628	0.634			0.62076	6.2
Methylene chloride	0.307	0.295	0.303			0.32538	10.6
trans-1,2-Dichloroethene	0.552	0.549	0.542			0.53502	3.4
Acrylonitrile	0.063	0.066	0.063			0.05832	0.99926
1,1-Dichloroethane	# 0.609	0.621	0.624			0.6242	4.4 #
Acetone	0.082	0.081	0.078			0.09294	14.7
2,2-Dichloropropane	0.482	0.489	0.483			0.47314	3.1
cis-1,2-Dichloroethene	0.299	0.311	0.311			0.29807	3.8
Bromochloromethane	0.340	0.347	0.335			0.3348	5.9
2-Butanone	0.093	0.093	0.087			0.09648	8.8
Chloroform	* 0.624	0.618	0.620			0.66171	9.1 *
1,1,1-Trichloroethane	0.447	0.456	0.447			0.43101	6.7
Carbon tetrachloride	0.345	0.354	0.352			0.3276	7
1,1-Dichloropropene	0.451	0.454	0.455			0.4434	6.1
Benzene	1.121	1.160	1.122			1.15355	2.2
1,2-Dichloroethane	0.509	0.519	0.519			0.53789	5.5
Trichloroethene	0.221	0.228	0.229			0.21971	5.9
Vinyl acetate	1.246	1.259	1.235			1.26943	2.7
1,2-Dichloropropane	* 0.317	0.323	0.321			0.30908	6.4 *
Dibromomethane	0.157	0.156	0.154			0.15165	10.2
Bromodichloromethane	0.400	0.400	0.413			0.37132	9.2
cis-1,3-Dichloropropene	0.387	0.409	0.406			0.35198	0.99947
4-Methyl-2-pentanone	0.193	0.198	0.165			0.19667	7.8
Toluene	* 0.648	0.638	0.642			0.65197	5 *
trans-1,3-Dichloropropene	0.325	0.327	0.331			0.27066	0.99977

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW

Lab Code : PEL Case No. SAS No: SDG No.: 2509538

Instrument ID: VMS02 Calibration Date Begin: 06/14/08 End: 06/14/08

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 1733 End: 2100

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF50 =CAL6.D			RRF60 =CAL7.D			%RSD OR R^2
	RRF50	RRF60	RRF80			RRF	
1,1,2-Trichloroethane	0.159	0.160	0.160			0.15304	7.1
Tetrachloroethene	0.276	0.290	0.277			0.26271	7.3
1,3-Dichloropropane	0.611	0.618	0.611			0.63522	6.8
2-Hexanone	0.217	0.216	0.223			0.21104	9.7
Dibromochloromethane	0.308	0.313	0.315			0.26202	0.9998
1,2-Dibromoethane(EDB)	0.272	0.283	0.278			0.26696	14
Chlorobenzene	# 0.995	1.012	1.008			0.98576	4.9 #
1,1,1,2-Tetrachloroethane	0.333	0.331	0.347			0.30634	12.7
Ethylbenzene	* 0.531	0.549	0.534			0.51898	6.9 *
p.m-Xylene	0.634	0.650	0.649			0.63609	6.4
o-Xylene	1.554	1.660	1.592			1.58421	3.3
Styrene	1.069	1.117	1.100			0.97499	14.4
Bromoform	# 0.123	0.138	0.136			0.10397	0.99783 #
Isopropylbenzene (Cumene)	3.591	3.769	3.673			3.65615	6.8
Bromobenzene	1.848	1.953	1.886			1.80907	7.7
1,1,2,2-Tetrachloroethane	# 0.648	0.676	0.646			0.67782	6.4 #
1,2,3-Trichloropropane	0.184	0.185	0.171			0.18862	0.99876
n-Propylbenzene	4.557	4.927	4.714			4.71438	4.7
2-Chlorotoluene	4.557	4.927	4.714			4.71438	4.7
4-Chlorotoluene	3.197	3.259	3.175			3.35886	7.7
1,3,5-Trimethylbenzene	2.847	3.027	2.951			2.95812	4.5
tert-Butylbenzene	2.038	2.163	2.084			2.01883	12.1
1,2,4-Trimethylbenzene	2.888	3.056	2.965			2.87908	4
sec-Butylbenzene	3.210	3.307	3.182			3.22628	9.9
1,3-Dichlorobenzene	1.385	1.483	1.430			1.40786	4.7
1,4-Dichlorobenzene	1.458	1.509	1.502			1.68287	0.99974
4-Isopropyltoluene	2.214	2.417	2.278			2.348	9.1
n-Butylbenzene	2.070	2.640	2.530			2.31011	10.9
1,2-Dichlorobenzene	1.154	1.204	1.216			1.19671	6.8
1,2-Dibromo-3-chloropropane	0.089	0.093	0.092			0.06889	0.99823
1,2,4-Trichlorobenzene	0.544	0.556	0.532			0.45048	0.99865
Hexachlorobutadiene	0.237	0.288				0.24591	0.99378
Naphthalene	0.660	0.811	0.815			0.58733	0.99482
1,2,3-Trichlorobenzene	0.374	0.449	0.436			0.39305	0.99528

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Instrument ID: VMS02 Calibration Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 1733 End: 2100
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID:		RRF50 =CAL6.D			RRF60 =CAL7.D			
RRF80 =CAL8.D		RRF50	RRF60	RRF80			RRF	%RSD OR R^2
MTBE		0.617	0.623	0.600			0.61938	2.8
<hr/>								
Dibromofluoromethane(SURR)		0.254	0.278	0.291			0.28733	13.9
Toluene d8(SURR)		0.816	0.851	0.928			0.91423	13.7
4-Bromofluorobenzene(SURR)		1.214	1.316	1.369			1.35847	13.7
1,2-Dichloroethane-d4(SURR)		0.050	0.051	0.058			0.04984	0.99443

7SSC
VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Instrument ID: VMS02 CalibrationDate: 06/14/08 Time: 2151
 CCV ID: SSC612680 Lab File ID: SEC21.D Init. Calib. Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Dichlorodifluoromethane	0.47311	0.44243	6.5	AVRG
Chloromethane	# 50	48.7	2.6	2ORD #
Vinyl chloride	* 0.45592	0.45395	0.4	AVRG *
Bromomethane	0.25421	0.25131	1.1	AVRG
Chloroethane	0.28865	0.26084	9.6	AVRG
Trichlorofluoromethane	0.52969	0.51915	2.0	AVRG
1,1-Dichloroethene	* 0.53537	0.54904	2.6	AVRG *
Acrolein	0.01909	0.01595	16.4	AVRG
Methyl iodide	0.39972	0.40105	0.3	AVRG
Carbon disulfide	0.62076	0.61949	0.2	AVRG
Methylene chloride	0.32538	0.30198	7.2	AVRG
trans-1,2-Dichloroethene	0.53502	0.54277	1.4	AVRG
Acrylonitrile	80	79.7	0.4	2ORD
1,1-Dichloroethane	# 0.6242	0.6275	0.5	AVRG #
Acetone	0.09294	0.07494	19.4	AVRG
2,2-Dichloropropane	0.47314	0.48589	2.7	AVRG
cis-1,2-Dichloroethene	0.29807	0.29763	0.1	AVRG
Bromochloromethane	0.3348	0.33752	0.8	AVRG
2-Butanone	0.09648	0.08692	9.9	AVRG
Chloroform	* 0.66171	0.62012	6.3	AVRG *
1,1,1-Trichloroethane	0.43101	0.45255	5.0	AVRG
Carbon tetrachloride	0.3276	0.34121	4.2	AVRG
1,1-Dichloropropene	0.4434	0.45624	2.9	AVRG
Benzene	1.15355	1.148	0.5	AVRG
1,2-Dichloroethane	0.53789	0.51472	4.3	AVRG
Trichloroethene	0.21971	0.22933	4.4	AVRG
Vinyl acetate	1.26943	1.206	5.0	AVRG
1,2-Dichloropropane	* 0.30908	0.32881	6.4	AVRG *
Dibromomethane	0.15165	0.15472	2.0	AVRG
Bromodichloromethane	0.37132	0.38734	4.3	AVRG
cis-1,3-Dichloropropene	50	49.4	1.2	2ORD
4-Methyl-2-pentanone	0.19667	0.18718	4.8	AVRG
Toluene	* 0.65197	0.65462	0.4	AVRG *
trans-1,3-Dichloropropene	50	50.1	0.2	2ORD
1,1,2-Trichloroethane	0.15304	0.15751	2.9	AVRG
Tetrachloroethene	0.26271	0.27338	4.1	AVRG

7SSC
VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Instrument ID: VMS02 CalibrationDate: 06/14/08 Time: 2151
 CCV ID: SSC612680 Lab File ID: SEC21.D Init. Calib. Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,3-Dichloropropane	0.63522	0.5993	5.7	AVRG
2-Hexanone	0.21104	0.20572	2.5	AVRG
Dibromochloromethane	50	49.1	1.8	2ORD
1,2-Dibromoethane(EDB)	0.26696	0.27534	3.1	AVRG
Chlorobenzene	# 0.98576	1.009	2.4	AVRG #
1,1,1,2-Tetrachloroethane	0.30634	0.3327	8.6	AVRG
Ethylbenzene	* 0.51898	0.54943	5.9	AVRG *
p,m-Xylene	0.63609	0.64885	2.0	AVRG
o-Xylene	1.58421	1.641	3.6	AVRG
Styrene	0.97499	1.115	14.4	AVRG
Bromoform	# 50	49.6	0.8	2ORD #
Isopropylbenzene (Cumene)	3.65615	3.764	2.9	AVRG
Bromobenzene	1.80907	1.954	8.0	AVRG
1,1,2,2-Tetrachloroethane	# 0.67782	0.65126	3.9	AVRG #
1,2,3-Trichloropropane	50	46.1	7.8	2ORD
n-Propylbenzene	4.71438	4.908	4.1	AVRG
2-Chlorotoluene	4.71438	4.908	4.1	AVRG
4-Chlorotoluene	3.35886	3.374	0.5	AVRG
1,3,5-Trimethylbenzene	2.95812	3.07	3.8	AVRG
tert-Butylbenzene	2.01883	2.199	8.9	AVRG
1,2,4-Trimethylbenzene	2.87908	3.144	9.2	AVRG
sec-Butylbenzene	3.22628	3.328	3.2	AVRG
1,3-Dichlorobenzene	1.40786	1.44	2.3	AVRG
1,4-Dichlorobenzene	50	51.9	3.8	2ORD
4-Isopropyltoluene	2.348	2.586	10.1	AVRG
n-Butylbenzene	2.31011	2.496	8.0	AVRG
1,2-Dichlorobenzene	1.19671	1.244	4.0	AVRG
1,2-Dibromo-3-chloropropane	50	44.7	10.6	2ORD
1,2,4-Trichlorobenzene	50	52.6	5.2	2ORD
Hexachlorobutadiene	50	51	2.0	2ORD
Naphthalene	50	54.5	9.0	2ORD
1,2,3-Trichlorobenzene	50	55.7	11.4	2ORD
MTBE	0.61938	0.601	3.0	AVRG
<hr/>				
Dibromofluoromethane(SURR)	0.28733	0.2871	0.1	AVRG
Toluene d8(SURR)	0.91423	0.94593	3.5	AVRG

7SSC
VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Instrument ID: VMS02 CalibrationDate: 06/14/08 Time: 2151
 CCV ID: SSC612680 Lab File ID: SEC21.D Init. Calib. Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
4-Bromofluorobenzene(SURR)	1.35847	1.411	3.9	AVRG
1,2-Dichloroethane-d4(SURR)	50	54.4	8.8	2ORD

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2509538
 Instrument ID: VMS02 Calibration Date: 06/17/08 Time: 0738
 CCV ID: CCV612841 Lab File ID: CCV21.D Init. Calib. Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Dichlorodifluoromethane	0.47311	0.34874	26.3	AVRG <-
Chloromethane	# 50	43.1	13.8	2ORD #
Vinyl chloride	* 0.45592	0.38569	15.4	AVRG *
Bromomethane	0.25421	0.21986	13.5	AVRG
Chloroethane	0.28865	0.24184	16.2	AVRG
Trichlorofluoromethane	0.52969	0.4768	10.0	AVRG
1,1-Dichloroethene	* 0.53537	0.53507	0.1	AVRG *
Acrolein	0.01909	0.01252	34.4	AVRG <-
Methyl iodide	0.39972	0.38603	3.4	AVRG
Carbon disulfide	0.62076	0.60563	2.4	AVRG
Methylene chloride	0.32538	0.28508	12.4	AVRG
trans-1,2-Dichloroethene	0.53502	0.52248	2.3	AVRG
Acrylonitrile	100	75.8	24.2	2ORD <-
1,1-Dichloroethane	# 0.6242	0.61272	1.8	AVRG # <-
Acetone	0.09294	0.06592	29.1	AVRG <-
2,2-Dichloropropane	0.47314	0.50512	6.8	AVRG
cis-1,2-Dichloroethene	0.29807	0.30347	1.8	AVRG
Bromochloromethane	0.3348	0.31147	7.0	AVRG
2-Butanone	0.09648	0.06409	33.6	AVRG <-
Chloroform	* 0.66171	0.61279	7.4	AVRG *
1,1,1-Trichloroethane	0.43101	0.44663	3.6	AVRG
Carbon tetrachloride	0.3276	0.35258	7.6	AVRG
1,1-Dichloropropene	0.4434	0.46001	3.7	AVRG
Benzene	1.15355	1.133	1.8	AVRG
1,2-Dichloroethane	0.53789	0.47543	11.6	AVRG
Trichloroethene	0.21971	0.2197	0.0	AVRG
Vinyl acetate	1.26943	1.116	12.1	AVRG
1,2-Dichloropropane	* 0.30908	0.3051	1.3	AVRG *
Dibromomethane	0.15165	0.14236	6.1	AVRG
Bromodichloromethane	0.37132	0.36184	2.6	AVRG
cis-1,3-Dichloropropene	50	46.9	6.2	2ORD
4-Methyl-2-pentanone	0.19667	0.16922	14.0	AVRG
Toluene	* 0.65197	0.63118	3.2	AVRG *
trans-1,3-Dichloropropene	50	44.9	10.2	2ORD
1,1,2-Trichloroethane	0.15304	0.14645	4.3	AVRG
Tetrachloroethene	0.26271	0.28759	9.5	AVRG

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2509538
 Instrument ID: VMS02 Calibration Date: 06/17/08 Time: 0738
 CCV ID: CCV612841 Lab File ID: CCV21.D Init. Calib. Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,3-Dichloropropane	0.63522	0.58604	7.7	AVRG
2-Hexanone	0.21104	0.18741	11.2	AVRG
Dibromochloromethane	50	45.7	8.6	2ORD
1,2-Dibromoethane(EDB)	0.26696	0.25128	5.9	AVRG
Chlorobenzene	# 0.98576	1.021	3.6	AVRG #
1,1,1,2-Tetrachloroethane	0.30634	0.31957	4.3	AVRG
Ethylbenzene	* 0.51898	0.54025	4.1	AVRG *
p,m-Xylene	0.63609	0.67098	5.5	AVRG
o-Xylene	1.58421	1.61	1.6	AVRG
Styrene	0.97499	1.084	11.2	AVRG
Bromoform	# 50	46.4	7.2	2ORD #
Isopropylbenzene (Cumene)	3.65615	3.737	2.2	AVRG
Bromobenzene	1.80907	1.901	5.1	AVRG
1,1,2,2-Tetrachloroethane	# 0.67782	0.63493	6.3	AVRG #
1,2,3-Trichloropropane	50	44	12.0	2ORD
n-Propylbenzene	4.71438	4.819	2.2	AVRG
2-Chlorotoluene	4.71438	4.819	2.2	AVRG
4-Chlorotoluene	3.35886	3.29	2.1	AVRG
1,3,5-Trimethylbenzene	2.95812	3.017	2.0	AVRG
tert-Butylbenzene	2.01883	2.113	4.7	AVRG
1,2,4-Trimethylbenzene	2.87908	2.994	4.0	AVRG
sec-Butylbenzene	3.22628	3.309	2.6	AVRG
1,3-Dichlorobenzene	1.40786	1.441	2.4	AVRG
1,4-Dichlorobenzene	50	48	4.0	2ORD
4-Isopropyltoluene	2.348	2.498	6.4	AVRG
n-Butylbenzene	2.31011	2.468	6.8	AVRG
1,2-Dichlorobenzene	1.19671	1.146	4.2	AVRG
1,2-Dibromo-3-chloropropane	50	42.4	15.2	2ORD
1,2,4-Trichlorobenzene	50	44.4	11.2	2ORD
Hexachlorobutadiene	50	48.5	3.0	2ORD
Naphthalene	50	42.8	14.4	2ORD
1,2,3-Trichlorobenzene	50	44.5	11.0	2ORD
MTBE	0.61938	0.52617	15.0	AVRG
<hr/>				
Dibromofluoromethane(SURR)	0.28733	0.26362	8.3	AVRG
Toluene d8(SURR)	0.91423	0.84655	7.4	AVRG

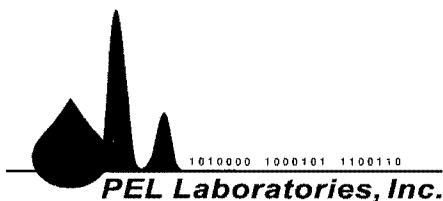
VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509538
 Instrument ID: VMS02 CalibrationDate: 06/17/08 Time: 0738
 CCV ID: CCV612841 Lab File ID: CCV21.D Init. Calib. Date Begin: 06/14/08 End: 06/14/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
4-Bromofluorobenzene(SURR)	1.35847	1.301	4.2	AVRG
1,2-Dichloroethane-d4(SURR)	50	47.9	4.2	2ORD

Average Used: 8.1

Chain of Custody Documentation



Chain of Custody Record Record/Work Request

8405 Benjamin Rd, Suite A
Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com

2509538 ADS

Company: CHRY HILL		Project Name/Number: 40PR21/3647299.01-SL.R1.FW					Page 1 of 1			
Address: 727 N. Flores St., Suite 400 St. Louis, MO 63102		Project Manager: Chris English					DEP Form #: 62-770.900(2) Form Title: Chain of Custody Record Effective Date: September 23, 1997			
Phone: 314-335-3023 Fax: 314-421-3927		Purchase Order:					FDEP Facility No.			
Print Names(s) / Affiliation Tony Swinkels) CHRY HILL		Preservatives (see codes) H					Project Name:			
Sampler(s) Signature(s)		Analyses Requested					Sampling CompQAP No:			
Item No.	Field ID No.	Sampled		Grab or Composite	Matrix (see codes)	Number of Containers	Date 6/12/08	Time 1045	REQUESTED DUE DATE / /	
		Date 6/12/08	Time 1115						Remarks	
1	HW-117-W-00	6/12/08	1045	Grnd	GW	3	8		-01	
2	EB-061208	6/12/08	1115	-	W	3	x		-02	
3	TB-061208	6/12/08	1140	-	W	1	x		-03	
Shipment Method							7	← Total Number of Containers		
Out: 6/12/08	Via: FEDEx	Item Nos.	Relinquished by / Affiliations			Date 6/15/08	Time 1430	Accepted by / Affiliation	Date 6/13/08	Time 0820
Returned: / /	Via:		Chris English							
Additional Comments:					CHRY HILL		6/12/08	1400	Ang Sut	6/13/08
pH 12 8260										
Cooler No. (s) / Temperature(s) (C)							Sampling Kit No.	Equipment ID No.		
4C										
MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)										
PRESERVATION CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)										

FedEx® US Airbill

Express

FedEx
Tracking
Number

8627 4831 7291

1 From	[REDACTED]		
Date	9/12/03		
Sender's Name	J. W. HILL		
Company	Chem Hill		
Address	727 N. First St., Suite 400		
City	WILMINGTON	State	NC ZIP 28402
Dept/Floor/Suite/Room			
2 Your Internal Billing Reference	W42801L.VFW/42719		
3 To	[REDACTED]		
Recipient's Name	John R. Reisinger		
Phone	603 688-3507		
Company	VEL		
Recipient's Address	3405 University Rd., Suite A		
We cannot deliver to P.O. boxes or P.O. ZIP codes.			
Address	(To request a package be held at a specific FedEx location, print FedEx address here.)		
City	WILMINGTON	State	NC ZIP 28402
Dept/Floor/Suite/Room			



8627 4831 7291

Recipient's Copy		
4a Express Package Service		
<input checked="" type="checkbox"/> FedEx Priority Overnight Next business day* Monday through Friday. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.		
<input type="checkbox"/> FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.		
<input type="checkbox"/> FedEx 2Day Second business day* Thursday. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.		
<input type="checkbox"/> FedEx Express Saver Third business day* Saturday. Saturday Delivery NOT available.		
<small>* FedEx Envelope rate not available. Minimum charge: One pound rate.</small>		
<small>* To most locations.</small>		
4b Express Freight Service		
<input type="checkbox"/> FedEx 10Day Freight* Next business day** Friday. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.		
<input type="checkbox"/> FedEx 20Day Freight Second business day* Thursday. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.		
<small>* Call for Confirmation.</small>		
<small>** To most locations.</small>		
5 Packaging		
<input type="checkbox"/> FedEx Envelope* <input type="checkbox"/> FedEx Pak* <small>Includes FedEx Small Pak, FedEx Large Pak, and FedEx Shred Pak.</small> <input type="checkbox"/> FedEx Box <input type="checkbox"/> FedEx Tube <input checked="" type="checkbox"/> Other		
<small>* Declared value limit \$500.</small>		
6 Special Handling		
<input type="checkbox"/> SATURDAY Delivery <small>Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.</small>		
<input type="checkbox"/> HOLD Weekly at FedEx Location <small>Not available for FedEx First Overnight.</small>		
<input type="checkbox"/> HOLD Saturday at FedEx Location <small>Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.</small>		
<input type="checkbox"/> Does this shipment contain dangerous goods? <small>One box must be checked.</small>		
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <small>As per attached Shipper's Declaration.</small>		
<input type="checkbox"/> Yes <small>Shipper's Declaration not required.</small>		
<input type="checkbox"/> Dry Ice <small>Dry Ice, 9, UN 1845</small>		
<input type="checkbox"/> Cargo Aircraft Only		
7 Payment Bill to: <small>Enter FedEx Acct. No. or Credit Card No. below.</small>		
<input checked="" type="checkbox"/> Sender <small>Acct. No. in which bill will be filed.</small>		
<input type="checkbox"/> Recipient <input type="checkbox"/> Third Party <input type="checkbox"/> Credit Card <input type="checkbox"/> Cash/Check		
<small>Obtain Recp. Acct. No.</small>		
Total Packages	Total Weight	Total Declared Value*
		\$.00
<small>* Our liability is limited to \$100 unless you declare a higher value. See back for details.</small>		
<small>Credit Card Auth.</small>		
8 Residential Delivery Signature Options		
<small>You require a signature, check Direct or Indirect.</small>		
<input type="checkbox"/> No Signature Required <small>Package may be left without obtaining a signature for delivery. Fee applies.</small>		
<input type="checkbox"/> Direct Signature <small>Someone at recipient's address may sign for delivery. Fee applies.</small>		
<input type="checkbox"/> Indirect Signature <small>If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.</small>		
520		

fedex.com 1.800.Go.FedEx 1.800.463.3339

PEL, a Division of Spectrum Analytical, Inc.

pH LOG SHEET											
Work Order # <u>2509538</u>					By <u>ADS</u>						
Client / Project Name <u>SLOP CH2mHill</u>					Date <u>6/13/08</u>						
PEL Sample Number	H ₂ SO ₄ (pH<2)		HNO ₃ (pH<2)		NaOH (pH>12)		ZnAC/NaOH (pH>9)		HCl (pH<2)		Other pH
	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers
01									3	62	
02									3	↓	
03									20521	—	
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information			
SDG:	2509538	Req:	85624
Client:	CH2M Hill	Project:	Hanley Area
Level:	3	Date Rec'd:	6/13/2008 8:20:00 AM
Rec'd via:	Fed-Ex	Due Date:	06/23/08
Sample Verification			
Samples/Cooler Secure?	<input type="checkbox"/> Yes	All Samples on COC accounted For?	<input type="checkbox"/> Yes
Temperature of Samples(Celsius)	<input type="checkbox"/> 4C	All Samples Rec'd Intact?	<input type="checkbox"/> Yes
pH Verified?	<input type="checkbox"/> Yes	Sample Vol. Suff. For Analysis?	<input type="checkbox"/> Yes
pH WNL?	<input type="checkbox"/> Yes	Samples Rec'd W/I Hold Time?	<input type="checkbox"/> Yes
Soil Origin (Domestic/Foreign):	<input type="checkbox"/>	Are All Samples to be Analyzed?	<input type="checkbox"/> Yes
Site Location/Project on COC?	<input type="checkbox"/> Yes	Correct Sample Containers?	<input type="checkbox"/> Yes
Client Project # on COC?	<input type="checkbox"/> Yes	COC Comments written on COC?	<input type="checkbox"/> Yes
Project Mgr. Indicated on COC?	<input type="checkbox"/> Yes	Samplers Initials on COC?	<input type="checkbox"/> Yes
COC relinquished/Dated by Client?	<input type="checkbox"/> Yes	Sample Date/Time Indicated?	<input type="checkbox"/> Yes
COC Received/Dated by PEL?	<input type="checkbox"/> Yes	TAT Requested:	<input type="checkbox"/> STD
Specific Subcontract Indicated?	<input type="checkbox"/> No	Client Requests Verbal Results?	<input type="checkbox"/> No
Samples Received By	<input type="checkbox"/> Fed-Ex	Client Requests Faxed Results?	<input type="checkbox"/> No
PEL to Conduct ALL Analyses?	<input type="checkbox"/> Yes		

PEER REVIEW

Client: CH2M Hill

WONo: 2509538

Profile Name: SLOP2

Profile #: 85624

MATRIX W

Sample #	Parameter	Relinquished	Received	Date	Time
01 - 03	8260 Volatile Organic Compounds	M for KC	PP	6/17/08	0800
01 - 03	8260 Volatile Organic Compounds				consumed

Additional:

Comments:

Addendum

Letter of Acceptance

Customer Name: CH2M Hill
Date and Time Received: 6/13/2008 8:20:00 AM
Date to be Reported: 7/4/2008
Laboratory Submission Number/SDG: 2509538
Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2509538
Project: SLOP R1 / 364298.01.SL.R1.FW
Samples: The submission consisted of 3 samples with sample identification shown in the attached data tables.
Tests: The Samples will be analyzed for EPA methods: 8260.

Sample Custody/COC discrepancies:

None.

Notes:

None.

Distribution of Report to:

CH2M Hill
Attn: Dave Lee
Phone: W 314-421-0900

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level: 3

Total of: 3 analyses on 3 samples (including QC)

17-Jun-08

Report/SDG #: 2509538

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
MW-117-W-00	250953801		W	6/12/2008 10:45:00 AM	6/13/2008 8:20:00 AM
Method					
8260	Volatile Organic Compounds			8260	
SampleID					
EB-061208	250953802		WQ	6/12/2008 11:15:00 AM	6/13/2008 8:20:00 AM
Method					
8260	Volatile Organic Compounds			8260	
SampleID					
TB-061208	250953803		WQ	6/12/2008 11:40:00 AM	6/13/2008 8:20:00 AM
Method					
8260	Volatile Organic Compounds			8260	

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F MW-111-W-00

Lab Code : PEL Case No. SAS No: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946101 Lab File ID: 46101.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/10/08 Time: 0402

Percent Solids: 0 decanted : Dilution Factor: 50

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	50	U
107-02-8	Acrolein	500	U
74-88-4	Methyl iodide	100	U
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
107-13-1	Acrylonitrile	200	U
75-34-3	1,1-Dichloroethane	50	U
67-64-1	Acetone	500	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	281	
74-97-5	Bromochloromethane	50	U
78-93-3	2-Butanone	500	U
67-66-3	Chloroform	23.8	J
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon tetrachloride	50	U
563-58-6	1,1-Dichloropropene	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	1620	
108-05-4	Vinyl acetate	100	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

Lab Name: <u>PEL, Spectrum Analytical, Inc.</u>		Contract: <u>SLOP RI \ 364298.01.SL.RI.F</u>	EPA Sample No. <u>MW-111-W-00</u>
Lab Code : <u>PEL</u>	Case No. <u></u>	SAS No: <u></u>	SDG No.: <u>2509461</u>
Matrix: <u>WATER</u>		Lab Sample ID: <u>250946101</u>	Lab File ID: <u>46101.D</u>
Sample wt/vol: <u>5</u>	Units: <u>ML</u>	Date Received: <u>06/07/08</u>	
Concentrated Extract Volume: <u>5</u>		Date Extracted: <u></u>	
Level:(low/med) <u>LOW</u>		Date Analyzed: <u>06/10/08</u>	Time: <u>0402</u>
Percent Solids: <u>0</u>	decanted : <u></u>	Dilution Factor: <u>50</u>	
Extraction: <u>PURGETRAP</u>		Station ID: <u></u>	Method: <u>8260</u>
GPC Cleanup : (Y/N) <u></u>	pH: <u></u>		
Column(1): <u>DB-624</u>	ID: <u>0.18</u>	(mm) <u></u>	
CONCENTRATION UNITS: <u>UG/L</u>			
CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	50	U
74-95-3	Dibromomethane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-pentanone	250	U
108-88-3	Toluene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	35400	E
142-28-9	1,3-Dichloropropane	50	U
591-78-6	2-Hexanone	250	U
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane(EDB)	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
100-41-4	Ethylbenzene	50	U
511-39-00	p,m-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene (Cumene)	50	U
108-86-1	Bromobenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
96-18-4	1,2,3-Trichloropropane	50	U
103-65-1	n-Propylbenzene	50	U
95-49-8	2-Chlorotoluene	50	U
106-43-4	4-Chlorotoluene	50	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F EPA Sample No. MW-111-W-00

Lab Code : PEL Case No.: SAS No.: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946101 Lab File ID: 46101.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/10/08 Time: 0402

Percent Solids: 0 decanted : Dilution Factor: 50

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
99-87-6	4-Isopropyltoluene	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
1634-04-4	MTBE	50	U
74-96-4	Bromoethane	50	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F MW-111-W-00DL1

Lab Code : PEL Case No. SAS No: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946101DL1 Lab File ID: 46101D.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/09/08 Time: 2139

Percent Solids: 0 decanted : Dilution Factor: 1000

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	1000	U
75-01-4	Vinyl chloride	1000	U
74-83-9	Bromomethane	1000	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	1000	U
75-35-4	1,1-Dichloroethene	1000	U
107-02-8	Acrolein	10000	U
74-88-4	Methyl iodide	2000	U
75-15-0	Carbon disulfide	1000	U
75-09-2	Methylene chloride	1000	U
156-60-5	trans-1,2-Dichloroethene	1000	U
107-13-1	Acrylonitrile	4000	U
75-34-3	1,1-Dichloroethane	1000	U
67-64-1	Acetone	10000	U
594-20-7	2,2-Dichloropropane	1000	U
156-59-2	cis-1,2-Dichloroethene	1000	U
74-97-5	Bromochloromethane	1000	U
78-93-3	2-Butanone	10000	U
67-66-3	Chloroform	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
56-23-5	Carbon tetrachloride	1000	U
563-58-6	1,1-Dichloropropene	1000	U
71-43-2	Benzene	1000	U
107-06-2	1,2-Dichloroethane	1000	U
79-01-6	Trichloroethene	1510	
108-05-4	Vinyl acetate	2000	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F EPA Sample No. MW-111-W-00DL1

Lab Code : PEL Case No. SAS No: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946101DL1 Lab File ID: 46101D.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/09/08 Time: 2139

Percent Solids: 0 decanted : Dilution Factor: 1000

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1000	U
74-95-3	Dibromomethane	1000	U
75-27-4	Bromodichloromethane	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
108-10-1	4-Methyl-2-pentanone	5000	U
108-88-3	Toluene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
127-18-4	Tetrachloroethene	34900	
142-28-9	1,3-Dichloropropane	1000	U
591-78-6	2-Hexanone	5000	U
124-48-1	Dibromochloromethane	1000	U
106-93-4	1,2-Dibromoethane(EDB)	1000	U
108-90-7	Chlorobenzene	1000	U
630-20-6	1,1,1,2-Tetrachloroethane	1000	U
100-41-4	Ethylbenzene	1000	U
511-39-00	p,m-Xylene	2000	U
95-47-6	o-Xylene	1000	U
100-42-5	Styrene	1000	U
75-25-2	Bromoform	1000	U
98-82-8	Isopropylbenzene (Cumene)	1000	U
108-86-1	Bromobenzene	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
96-18-4	1,2,3-Trichloropropane	1000	U
103-65-1	n-Propylbenzene	1000	U
95-49-8	2-Chlorotoluene	1000	U
106-43-4	4-Chlorotoluene	1000	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F EPA Sample No. MW-111-W-00DL1

Lab Code : PEL Case No. SAS No: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946101DL1 Lab File ID: 46101D.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/09/08 Time: 2139

Percent Solids: 0 decanted : Dilution Factor: 1000

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1000	U
98-06-6	tert-Butylbenzene	1000	U
95-63-6	1,2,4-Trimethylbenzene	1000	U
135-98-8	sec-Butylbenzene	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
99-87-6	4-Isopropyltoluene	1000	U
104-51-8	n-Butylbenzene	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
96-12-8	1,2-Dibromo-3-chloropropane	2000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
87-68-3	Hexachlorobutadiene	1000	U
91-20-3	Naphthalene	1000	U
87-61-6	1,2,3-Trichlorobenzene	1000	U
1634-04-4	MTBE	1000	U
74-96-4	Bromoethane	1000	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F EB-060608

Lab Code : PEL Case No.: SAS No.: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946102 Lab File ID: 46102.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/09/08 Time: 2202

Percent Solids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F EB-060608

Lab Code : PEL Case No. SAS No: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946102 Lab File ID: 46102.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/09/08 Time: 2202

Percent Solids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F EB-060608

Lab Code : PEL Case No.: SAS No.: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946102 Lab File ID: 46102.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/09/08 Time: 2202

Percent Solids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U
74-96-4	Bromoethane	1	U

1
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F TB-060608

Lab Code : PEL Case No.: SAS No.: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946103 Lab File ID: 46103.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/09/08 Time: 2226

Percent Solids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromoform	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

1
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F TB-060608

Lab Code : PEL Case No. SAS No: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946103 Lab File ID: 46103.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/09/08 Time: 2226

Percent Solids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F TB-060608

Lab Code : PEL Case No.: SAS No.: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946103 Lab File ID: 46103.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/09/08 Time: 2226

Percent Solids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U
74-96-4	Bromoethane	1	U

1
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F Disposal - 1

Lab Code : PEL Case No. SAS No: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946104 Lab File ID: 46104R.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/16/08 Time: 1607

Percent Solids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.4	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	2.3	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.4	U
75-35-4	1,1-Dichloroethene	1.3	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.6	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1.1	U
67-64-1	Acetone	19.9	
156-59-2	cis-1,2-Dichloroethene	1.4	U
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	1.4	U
71-55-6	1,1,1-Trichloroethane	1.1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.1	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

1
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc.

Contract: SLOP RI \ 364298.01.SL.RI.F

Disposal - 1

Lab Code : PEL

Case No.

SAS No:

SDG No.: 2509461

Matrix: WATER

Lab Sample ID: 250946104

Lab File ID: 46104R.D

Sample wt/vol: 5 Units: ML

Date Received: 06/07/08

Concentrated Extract Volume: 5

Date Extracted:

Level:(low/med) LOW

Date Analyzed: 06/16/08 Time: 1607

Percent Solids: 0 decanted :

Dilution Factor: 1

Extraction: PURGETRAP

Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	0.97	J
591-78-6	2-Hexanone	6	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1.5	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	4.2	U
120-82-1	1,2,4-Trichlorobenzene	2.1	U
87-61-6	1,2,3-Trichlorobenzene	1.8	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	1.1	J
110-82-7	Cyclohexane	1.3	U

1
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F Disposal - 1DL1

Lab Code : PEL Case No. SAS No: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946104DL1 Lab File ID: 46104.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/16/08 Time: 1227

Percent Solids: 0 decanted : Dilution Factor: 10

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	16.8	U
74-87-3	Chloromethane	14.4	U
75-01-4	Vinyl chloride	13.8	U
74-83-9	Bromomethane	22.8	U
75-00-3	Chloroethane	28.5	U
75-69-4	Trichlorofluoromethane	14.4	U
75-35-4	1,1-Dichloroethene	13.2	U
75-15-0	Carbon disulfide	11.4	U
75-09-2	Methylene chloride	15.6	U
156-60-5	trans-1,2-Dichloroethene	11.7	U
75-34-3	1,1-Dichloroethane	10.8	U
67-64-1	Acetone	47	J
156-59-2	cis-1,2-Dichloroethene	13.8	U
74-97-5	Bromochloromethane	22.2	U
78-93-3	2-Butanone	120	U
67-66-3	Chloroform	14.1	U
71-55-6	1,1,1-Trichloroethane	10.8	U
56-23-5	Carbon tetrachloride	15.3	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	13.2	U
79-01-6	Trichloroethene	8.4	J
78-87-5	1,2-Dichloropropane	15.9	U
75-27-4	Bromodichloromethane	13.2	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	3.2	J
10061-02-6	trans-1,3-Dichloropropene	11.7	U

1
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F Disposal - 1DL1

Lab Code : PEL Case No. SAS No: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946104DL1 Lab File ID: 46104.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/16/08 Time: 1227

Percent Solids: 0 decanted : Dilution Factor: 10

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
79-00-5	1,1,2-Trichloroethane	17.1	U
127-18-4	Tetrachloroethene	112	
591-78-6	2-Hexanone	60	U
124-48-1	Dibromochloromethane	10.2	U
106-93-4	1,2-Dibromoethane(EDB)	14.7	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	18.6	U
98-82-8	Isopropylbenzene (Cumene)	10	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
541-73-1	1,3-Dichlorobenzene	10.5	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	11.4	U
96-12-8	1,2-Dibromo-3-chloropropane	42	U
120-82-1	1,2,4-Trichlorobenzene	20.7	U
87-61-6	1,2,3-Trichlorobenzene	18	U
1330-20-7	Xylene (total)	30	U
1634-04-4	MTBE	15.3	U
76-13-1	1,1,2-Trichlorotrifluoroethane	23.7	U
108-87-2	Methyl Cyclohexane	19.2	U
79-20-9	Methyl Acetate	72	U
110-82-7	Cyclohexane	12.6	U

1
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI \ 364298.01.SL.RI.F Disposal - 2

Lab Code : PEL Case No.: SAS No.: SDG No.: 2509461

Matrix: WATER Lab Sample ID: 250946105 Lab File ID: 46105.D

Sample wt/vol: 5 Units: ML Date Received: 06/07/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 06/16/08 Time: 1203

Percent Solids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1.7	U
74-87-3	Chloromethane	1.4	U
75-01-4	Vinyl chloride	1.4	U
74-83-9	Bromomethane	2.3	U
75-00-3	Chloroethane	2.8	U
75-69-4	Trichlorofluoromethane	1.4	U
75-35-4	1,1-Dichloroethene	1.3	U
75-15-0	Carbon disulfide	1.1	U
75-09-2	Methylene chloride	1.6	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1.1	U
67-64-1	Acetone	10.6	J
156-59-2	cis-1,2-Dichloroethene	0.58	J
74-97-5	Bromochloromethane	2.2	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	1.4	U
71-55-6	1,1,1-Trichloroethane	1.1	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1.3	U
79-01-6	Trichloroethene	1.1	U
78-87-5	1,2-Dichloropropane	1.6	U
75-27-4	Bromodichloromethane	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	2.1	J
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U

1
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc.

Contract: SLOP RI \ 364298.01.SL.RI.F

Disposal - 2

Lab Code : PEL

Case No.

SAS No:

SDG No.: 2509461

Matrix: WATER

Lab Sample ID: 250946105

Lab File ID: 46105.D

Sample wt/vol: 5 Units: ML

Date Received: 06/07/08

Concentrated Extract Volume: 5

Date Extracted:

Level:(low/med) LOW

Date Analyzed: 06/16/08 Time: 1203

Percent Solids: 0 decanted :

Dilution Factor: 1

Extraction: PURGETRAP

Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

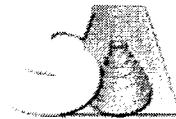
CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
79-00-5	1,1,2-Trichloroethane	1.7	U
127-18-4	Tetrachloroethene	2.6	
591-78-6	2-Hexanone	6	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1.5	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene (Cumene)	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	4.2	U
120-82-1	1,2,4-Trichlorobenzene	2.1	U
87-61-6	1,2,3-Trichlorobenzene	1.8	U
1330-20-7	Xylene (total)	3	U
1634-04-4	MTBE	1.5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	2.4	U
108-87-2	Methyl Cyclohexane	1.9	U
79-20-9	Methyl Acetate	7.2	U
110-82-7	Cyclohexane	1.3	U



PEL a division of Spectrum Analytical, Inc.

featuring HANIBAL TECHNOLOGY



Customer Name: CH2M Hill

Date and Time Received: 5/22/2008 8:30:00 AM

Date Reported: 7/10/2008

Laboratory Submission Number/SDG: 2509330 R1

Project: SLOP R1 / 364298.01.SL.R1.FW

Samples: The submission consisted of 4 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

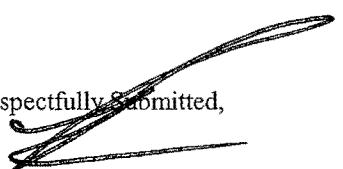
Distribution of Report to:

CH2M Hill

Attn: C. English

Phone: W 816-318-9016

Respectfully Submitted,


Brian Spann

Laboratory Director

PEL a division of Spectrum Analytical, Inc.

featuring Hanibal Technology

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

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Report Revision LOG

SDG: 2509330

Revision	Reason
R1	Report revised to report a long list of VOC's as requested by client.

Organics	2
METHOD 8260 GC/ MS VOLATILE ORGANICS	5
Sample Data	10
QC Summary	23
Standards Data	65
Percent Moisture.....	102
COC Documentation.....	104
Addendum	109

EXECUTIVE SUMMARY - Detection Highlights

2509330

SAMPLE ID: CB-01-S-30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Carbon tetrachloride	27300 E	398	UG/KG	SW8260B
Chloroform	669	398	UG/KG	SW8260B
Methylene chloride	181 J	995	UG/KG	SW8260B
Trichloroethene	5250	398	UG/KG	SW8260B

SAMPLE ID: CB-02-S-30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
1,2,3-Trichlorobenzene	1 J	2.5	UG/KG	SW8260B
Naphthalene	1.4 J	2.5	UG/KG	SW8260B

Organics

Organic Data Qualifiers

- U** Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.
- J** Indicates estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.
- B** Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.
- E** Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.
- D** Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.
- C** The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.
- P** This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.
- N** This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.
- A** This qualifier indicates that a TIC is a suspected aldol-condensation product.
- X** Data flagged as rejected by analyst utilizing analytical judgement.

Organic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

- DL** Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.
- R** Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.
- RE** Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.
- MS** Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).
- SD** Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

GC/MS VOLATILE ORGANICS
METHOD 8260

**CASE NARRATIVE
GC/MS VOLATILE ORGANICS**

PEL Lab Reference No./SDG: 2509330

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

- A. Sample Preparation:** All holding times were met.
- B. Sample Analysis:** All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

Soil samples were prepared by SW846/5035 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

Water samples were prepared by SW846/5030 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met. Please note that Blank 052208BLK14 was analyzed with the soil samples on 05/22/08. The following analyte was detected below RL: Methylene chloride at 2.7 UG/KG.

No further action was necessary. Samples coded accordingly.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:

LCS 052208LCS14 was analyzed with the soil samples on 05/22/08. The following analyte was recovered below criteria: Chloroethane at 32.5 % with criteria of (48-147). No further action was required.

**CASE NARRATIVE
GC/MS VOLATILE ORGANICS**

PEL Lab Reference No./SDG: 2509330

Client: CH2M Hill

LCS 052208LCS14D was analyzed with the soil samples on 05/22/08. All percent recovery criteria were met. The following analyte(s) exceeded RPD criteria: 2-Chlorotoluene at 19.1 % with criteria of (12), Bromomethane at 51 % with criteria of (30), Carbon disulfide at 17.6 % with criteria of (17), Chloroethane at 53.1 % with criteria of (16), Trichlorofluoromethane at 19.7 % with criteria of (14). No further action was required.

LCS 052808MLCSA22 was analyzed with the soil samples on 05/28/08. The following analyte was recovered above criteria: Acrolein at 113 % with criteria of (70-111). No further action was required.

Samples coded accordingly.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used.

Please note that this is a resubmittal due to the analyte list being changed by the project chemist.

All samples were screened prior to GC/MS analysis.

Sample CB-01-S-30 could not be analyzed full due to a high concentration of Trichloroethene and Carbon tetrachloride. The Carbon tetrachloride result was still over the calibration range, but was not diluted further because it was not on the original target analyte list.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

**CASE NARRATIVE
GC/MS VOLATILE ORGANICS**

PEL Lab Reference No./SDG: 2509330

Client: CH2M Hill

A handwritten signature in black ink, appearing to read "Jim Hill".

SIGNED:

DATE: 07/10/2008

VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc.

Contract: SLOP R1 / 364298.01.SL.R1.FW

Lab Code : PEL

Case No.

SAS No:

SDG No.: 2509330

Method: 8260

EPA Sample No

Lab Sample ID

<u>CB-01-S-30</u>
<u>CB-02-S-30</u>
<u>FD-052108A</u>
<u>TB-052108</u>

<u>250933001</u>
<u>250933002</u>
<u>250933003</u>
<u>250933004</u>

Sample Data

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F CB-01-S-30
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: SOIL Lab Sample ID: 250933001 Lab File ID: 33001M.D
 Sample wt/vol: 4.76 Units: G Date Received: 05/22/08
 Concentrated Extract Volume: 15 Date Extracted:
 Level:(low/med) HIGH Date Analyzed: 05/28/08 Time: 1325
 PercentSolids: 79.2 decanted : Dilution Factor: 50
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/KG

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	398	U
74-87-3	Chloromethane	398	U
75-01-4	Vinyl chloride	398	U
74-83-9	Bromomethane	398	U
75-00-3	Chloroethane	995	U
75-69-4	Trichlorofluoromethane	398	U
75-35-4	1,1-Dichloroethene	398	U
107-02-8	Acrolein	4970	U
74-88-4	Methyl iodide	398	U
75-15-0	Carbon disulfide	398	U
75-09-2	Methylene chloride	181	J
156-60-5	trans-1,2-Dichloroethene	398	U
107-13-1	Acrylonitrile	995	U
75-34-3	1,1-Dichloroethane	398	U
67-64-1	Acetone	1990	U
594-20-7	2,2-Dichloropropane	398	U
156-59-2	cis-1,2-Dichloroethene	398	U
74-97-5	Bromochloromethane	398	U
78-93-3	2-Butanone	1990	U
67-66-3	Chloroform	669	
71-55-6	1,1,1-Trichloroethane	398	U
56-23-5	Carbon tetrachloride	27300	E
563-58-6	1,1-Dichloropropene	398	U
71-43-2	Benzene	398	U
107-06-2	1,2-Dichloroethane	398	U
79-01-6	Trichloroethene	5250	
108-05-4	Vinyl acetate	398	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	EPA Sample No. CB-01-S-30
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Matrix:	SOIL		Lab Sample ID:	250933001 Lab File ID: 33001M.D
Sample wt/vol:	4.76	Units: G	Date Received:	05/22/08
Concentrated Extract Volume:	15		Date Extracted:	
Level:(low/med)	HIGH		Date Analyzed:	05/28/08 Time: 1325
Percent Solids:	79.2	decanted :	Dilution Factor:	50
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18	(mm)	
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	398	U
74-95-3	Dibromomethane	398	U
75-27-4	Bromodichloromethane	398	U
10061-01-5	cis-1,3-Dichloropropene	398	U
108-10-1	4-Methyl-2-pentanone	1990	U
108-88-3	Toluene	398	U
10061-02-6	trans-1,3-Dichloropropene	398	U
79-00-5	1,1,2-Trichloroethane	398	U
127-18-4	Tetrachloroethene	995	U
142-28-9	1,3-Dichloropropane	398	U
591-78-6	2-Hexanone	1990	U
124-48-1	Dibromochloromethane	398	U
106-93-4	1,2-Dibromoethane(EDB)	398	U
108-90-7	Chlorobenzene	398	U
630-20-6	1,1,1,2-Tetrachloroethane	398	U
100-41-4	Ethylbenzene	398	U
511-39-00	p,m-Xylene	796	U
95-47-6	o-Xylene	398	U
100-42-5	Styrene	398	U
75-25-2	Bromoform	995	U
98-82-8	Isopropylbenzene (Cumene)	398	U
108-86-1	Bromobenzene	398	U
79-34-5	1,1,2,2-Tetrachloroethane	398	U
96-18-4	1,2,3-Trichloropropane	398	U
103-65-1	n-Propylbenzene	398	U
95-49-8	2-Chlorotoluene	398	U
106-43-4	4-Chlorotoluene	398	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	CB-01-S-30
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Matrix:	SOIL		Lab Sample ID:	250933001 Lab File ID: 33001M.D
Sample wt/vol:	4.76	Units: G	Date Received:	05/22/08
Concentrated Extract Volume:	15		Date Extracted:	
Level:(low/med)	HIGH		Date Analyzed:	05/28/08 Time: 1325
Percent Solids:	79.2	decanted :	Dilution Factor:	50
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18	(mm)	
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	398	U
98-06-6	tert-Butylbenzene	398	U
95-63-6	1,2,4-Trimethylbenzene	398	U
135-98-8	sec-Butylbenzene	398	U
541-73-1	1,3-Dichlorobenzene	398	U
106-46-7	1,4-Dichlorobenzene	398	U
99-87-6	4-Isopropyltoluene	398	U
104-51-8	n-Butylbenzene	398	U
95-50-1	1,2-Dichlorobenzene	398	U
96-12-8	1,2-Dibromo-3-chloropropane	1990	U
120-82-1	1,2,4-Trichlorobenzene	398	U
87-68-3	Hexachlorobutadiene	796	U
91-20-3	Naphthalene	398	U
87-61-6	1,2,3-Trichlorobenzene	398	U
1634-04-4	MTBE	398	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F CB-02-S-30
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: SOIL Lab Sample ID: 250933002 Lab File ID: 33002.D
 Sample wt/vol: 4.87 Units: G Date Received: 05/22/08
 Concentrated Extract Volume: 5 Date Extracted:
 Level:(low/med) LOW Date Analyzed: 05/22/08 Time: 1730
 PercentSolids: 81.8 decanted : Dilution Factor: 1
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/KG

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	6.3	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	2.5	U
107-02-8	Acrolein	31.4	U
74-88-4	Methyl iodide	2.5	U
75-15-0	Carbon disulfide	2.5	U
75-09-2	Methylene chloride	6.3	U
156-60-5	trans-1,2-Dichloroethene	2.5	U
107-13-1	Acrylonitrile	6.3	U
75-34-3	1,1-Dichloroethane	2.5	U
67-64-1	Acetone	12.6	U
594-20-7	2,2-Dichloropropane	2.5	U
156-59-2	cis-1,2-Dichloroethene	2.5	U
74-97-5	Bromochloromethane	2.5	U
78-93-3	2-Butanone	12.6	U
67-66-3	Chloroform	2.5	U
71-55-6	1,1,1-Trichloroethane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
563-58-6	1,1-Dichloropropene	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	U
79-01-6	Trichloroethene	2.5	U
108-05-4	Vinyl acetate	2.5	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F CB-02-S-30
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: SOIL Lab Sample ID: 250933002 Lab File ID: 33002.D
 Sample wt/vol: 4.87 Units: G Date Received: 05/22/08
 Concentrated Extract Volume: 5 Date Extracted:
 Level:(low/med) LOW Date Analyzed: 05/22/08 Time: 1730
 PercentSolids: 81.8 decanted : Dilution Factor: 1
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/KG

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	2.5	U
74-95-3	Dibromomethane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-pentanone	12.6	U
108-88-3	Toluene	2.5	U
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U
127-18-4	Tetrachloroethene	6.3	U
142-28-9	1,3-Dichloropropane	2.5	U
591-78-6	2-Hexanone	12.6	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane(EDB)	2.5	U
108-90-7	Chlorobenzene	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	2.5	U
100-41-4	Ethylbenzene	2.5	U
511-39-00	p,m-Xylene	5	U
95-47-6	o-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	6.3	U
98-82-8	Isopropylbenzene (Cumene)	2.5	U
108-86-1	Bromobenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	U
103-65-1	n-Propylbenzene	2.5	U
95-49-8	2-Chlorotoluene	2.5	U
106-43-4	4-Chlorotoluene	2.5	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F CB-02-S-30
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: SOIL Lab Sample ID: 250933002 Lab File ID: 33002.D
 Sample wt/vol: 4.87 Units: G Date Received: 05/22/08
 Concentrated Extract Volume: 5 Date Extracted:
 Level:(low/med) LOW Date Analyzed: 05/22/08 Time: 1730
 PercentSolids: 81.8 decanted : Dilution Factor: 1
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/KG

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	2.5	U
98-06-6	tert-Butylbenzene	2.5	U
95-63-6	1,2,4-Trimethylbenzene	2.5	U
135-98-8	sec-Butylbenzene	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
99-87-6	4-Isopropyltoluene	2.5	U
104-51-8	n-Butylbenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	12.6	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	1.4	J
87-61-6	1,2,3-Trichlorobenzene	1	J
1634-04-4	MTBE	2.5	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F FD-052108A
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: SOIL Lab Sample ID: 250933003 Lab File ID: 33003.D
 Sample wt/vol: 5.25 Units: G Date Received: 05/22/08
 Concentrated Extract Volume: 5 Date Extracted:
 Level:(low/med) LOW Date Analyzed: 05/22/08 Time: 1756
 PercentSolids: 80.9 decanted : Dilution Factor: 1
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/KG

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	2.4	U
74-87-3	Chloromethane	2.4	U
75-01-4	Vinyl chloride	2.4	U
74-83-9	Bromomethane	2.4	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	2.4	U
75-35-4	1,1-Dichloroethene	2.4	U
107-02-8	Acrolein	29.4	U
74-88-4	Methyl iodide	2.4	U
75-15-0	Carbon disulfide	2.4	U
75-09-2	Methylene chloride	5.9	U
156-60-5	trans-1,2-Dichloroethene	2.4	U
107-13-1	Acrylonitrile	5.9	U
75-34-3	1,1-Dichloroethane	2.4	U
67-64-1	Acetone	11.8	U
594-20-7	2,2-Dichloropropane	2.4	U
156-59-2	cis-1,2-Dichloroethene	2.4	U
74-97-5	Bromochloromethane	2.4	U
78-93-3	2-Butanone	11.8	U
67-66-3	Chloroform	2.4	U
71-55-6	1,1,1-Trichloroethane	2.4	U
56-23-5	Carbon tetrachloride	2.4	U
563-58-6	1,1-Dichloropropene	2.4	U
71-43-2	Benzene	2.4	U
107-06-2	1,2-Dichloroethane	2.4	U
79-01-6	Trichloroethene	2.4	U
108-05-4	Vinyl acetate	2.4	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F FD-052108A
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: SOIL Lab Sample ID: 250933003 Lab File ID: 33003.D
 Sample wt/vol: 5.25 Units: G Date Received: 05/22/08
 Concentrated Extract Volume: 5 Date Extracted:
 Level:(low/med) LOW Date Analyzed: 05/22/08 Time: 1756
 PercentSolids: 80.9 decanted : Dilution Factor: 1
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	2.4	U
74-95-3	Dibromomethane	2.4	U
75-27-4	Bromodichloromethane	2.4	U
10061-01-5	cis-1,3-Dichloropropene	2.4	U
108-10-1	4-Methyl-2-pentanone	11.8	U
108-88-3	Toluene	2.4	U
10061-02-6	trans-1,3-Dichloropropene	2.4	U
79-00-5	1,1,2-Trichloroethane	2.4	U
127-18-4	Tetrachloroethene	5.9	U
142-28-9	1,3-Dichloropropane	2.4	U
591-78-6	2-Hexanone	11.8	U
124-48-1	Dibromochloromethane	2.4	U
106-93-4	1,2-Dibromoethane(EDB)	2.4	U
108-90-7	Chlorobenzene	2.4	U
630-20-6	1,1,1,2-Tetrachloroethane	2.4	U
100-41-4	Ethylbenzene	2.4	U
511-39-00	p,m-Xylene	4.7	U
95-47-6	o-Xylene	2.4	U
100-42-5	Styrene	2.4	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene (Cumene)	2.4	U
108-86-1	Bromobenzene	2.4	U
79-34-5	1,1,2,2-Tetrachloroethane	2.4	U
96-18-4	1,2,3-Trichloropropane	2.4	U
103-65-1	n-Propylbenzene	2.4	U
95-49-8	2-Chlorotoluene	2.4	U
106-43-4	4-Chlorotoluene	2.4	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	FD-052108A
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Matrix:	SOIL		Lab Sample ID:	250933003 Lab File ID: 33003.D
Sample wt/vol:	5.25	Units: G	Date Received:	05/22/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/22/08 Time: 1756
Percent Solids:	80.9	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18 (mm)		
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	2.4	U
98-06-6	tert-Butylbenzene	2.4	U
95-63-6	1,2,4-Trimethylbenzene	2.4	U
135-98-8	sec-Butylbenzene	2.4	U
541-73-1	1,3-Dichlorobenzene	2.4	U
106-46-7	1,4-Dichlorobenzene	2.4	U
99-87-6	4-Isopropyltoluene	2.4	U
104-51-8	n-Butylbenzene	2.4	U
95-50-1	1,2-Dichlorobenzene	2.4	U
96-12-8	1,2-Dibromo-3-chloropropane	11.8	U
120-82-1	1,2,4-Trichlorobenzene	2.4	U
87-68-3	Hexachlorobutadiene	4.7	U
91-20-3	Naphthalene	2.4	U
87-61-6	1,2,3-Trichlorobenzene	2.4	U
1634-04-4	MTBE	2.4	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	TB-052108
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Matrix:	WATER		Lab Sample ID:	250933004 Lab File ID: 33004.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/22/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/22/08 Time: 1523
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F TB-052108
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: WATER Lab Sample ID: 250933004 Lab File ID: 33004.D
 Sample wt/vol: 5 Units: ML Date Received: 05/22/08
 Concentrated Extract Volume: 5 Date Extracted:
 Level:(low/med) LOW Date Analyzed: 05/22/08 Time: 1523
 PercentSolids: 0 decanted : Dilution Factor: 1
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP R1 / 364298.01.SL.R1.F	TB-052108
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Matrix:	WATER		Lab Sample ID:	250933004 Lab File ID: 33004.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/22/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/22/08 Time: 1523
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

QC Summary

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP R1 / 364298.01.SL.R1.FW	EPA Sample No. 052208BLK14
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Matrix:	SOIL		Lab Sample ID:	052208BLK14 Lab File ID: BLK14.D
Sample wt/vol:	5	Units: G	Date Received:	05/22/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/22/08 Time: 1538
Percent Solids:	100	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18 (mm)		
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
107-02-8	Acrolein	25	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	2	U
75-09-2	Methylene chloride	2.7	J
156-60-5	trans-1,2-Dichloroethene	2	U
107-13-1	Acrylonitrile	5	U
75-34-3	1,1-Dichloroethane	2	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
74-97-5	Bromochloromethane	2	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon tetrachloride	2	U
563-58-6	1,1-Dichloropropene	2	U
71-43-2	Benzene	2	U
107-06-2	1,2-Dichloroethane	2	U
79-01-6	Trichloroethene	2	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP R1 / 364298.01.SL.R1.FW	EPA Sample No. 052208BLK14
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Matrix:	SOIL		Lab Sample ID:	052208BLK14 Lab File ID: BLK14.D
Sample wt/vol:	5	Units: G	Date Received:	05/22/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/22/08 Time: 1538
Percent Solids:	100	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18 (mm)		
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	2	U
74-95-3	Dibromomethane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	5	U
142-28-9	1,3-Dichloropropane	2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane(EDB)	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	2	U
511-39-00	p,m-Xylene	4	U
95-47-6	o-Xylene	2	U
100-42-5	Styrene	2	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene (Cumene)	2	U
108-86-1	Bromobenzene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
103-65-1	n-Propylbenzene	2	U
95-49-8	2-Chlorotoluene	2	U
106-43-4	4-Chlorotoluene	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP R1 / 364298.01.SL.R1.FW	EPA Sample No. 052208BLK14
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Matrix:	SOIL		Lab Sample ID:	052208BLK14 Lab File ID: BLK14.D
Sample wt/vol:	5	Units: G	Date Received:	05/22/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/22/08 Time: 1538
Percent Solids:	100	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18 (mm)		
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	2	U
98-06-6	tert-Butylbenzene	2	U
95-63-6	1,2,4-Trimethylbenzene	2	U
135-98-8	sec-Butylbenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
99-87-6	4-Isopropyltoluene	2	U
104-51-8	n-Butylbenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	4	U
91-20-3	Naphthalene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U
1634-04-4	MTBE	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP R1 / 364298.01.SL.R1.FW 052208BLKA32
 Lab Code : PEL Case No. SAS No: _____ SDG No.: 2509330
 Matrix: WATER Lab Sample ID: 052208BLKA32 Lab File ID: BLK32.D
 Sample wt/vol: 5 Units: ML Date Received: 05/22/08
 Concentrated Extract Volume: 5 Date Extracted: _____
 Level:(low/med) LOW Date Analyzed: 05/22/08 Time: 0812
 PercentSolids: 0 decanted: Dilution Factor: 1
 Extraction: PURGETRAP Station ID: _____ Method: 8260
 GPC Cleanup : (Y/N) _____ pH: _____
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP R1 / 364298.01.SL.R1.FW 052208BLKA32
 Lab Code : PEL Case No. SAS No: _____ SDG No.: 2509330
 Matrix: WATER Lab Sample ID: 052208BLKA32 Lab File ID: BLK32.D
 Sample wt/vol: 5 Units: ML Date Received: 05/22/08
 Concentrated Extract Volume: 5 Date Extracted: _____
 Level:(low/med) LOW Date Analyzed: 05/22/08 Time: 0812
 PercentSolids: 0 decanted: Dilution Factor: 1
 Extraction: PURGETRAP Station ID: _____ Method: 8260
 GPC Cleanup : (Y/N) _____ pH: _____
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP R1 / 364298.01.SL.R1.FW 052208BLKA32
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: WATER Lab Sample ID: 052208BLKA32 Lab File ID: BLK32.D
 Sample wt/vol: 5 Units: ML Date Received: 05/22/08
 Concentrated Extract Volume: 5 Date Extracted:
 Level:(low/med) LOW Date Analyzed: 05/22/08 Time: 0812
 PercentSolids: 0 decanted: Dilution Factor: 1
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP R1 / 364298.01.SL.R1.FW EPA Sample No. 052808MBLK22
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: SOIL Lab Sample ID: 052808MBLK22 Lab File ID: BLK22M.D
 Sample wt/vol: 5 Units: G Date Received: 05/28/08
 Concentrated Extract Volume: 10 Date Extracted:
 Level:(low/med) HIGH Date Analyzed: 05/28/08 Time: 1256
 Percent Solids: 100 decanted: Dilution Factor: 50
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/KG

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
107-02-8	Acrolein	2500	U
74-88-4	Methyl iodide	200	U
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	500	U
156-60-5	trans-1,2-Dichloroethene	200	U
107-13-1	Acrylonitrile	500	U
75-34-3	1,1-Dichloroethane	200	U
67-64-1	Acetone	1000	U
594-20-7	2,2-Dichloropropane	200	U
156-59-2	cis-1,2-Dichloroethene	200	U
74-97-5	Bromochloromethane	200	U
78-93-3	2-Butanone	1000	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
56-23-5	Carbon tetrachloride	200	U
563-58-6	1,1-Dichloropropene	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U
79-01-6	Trichloroethene	200	U
108-05-4	Vinyl acetate	200	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP R1 / 364298.01.SL.R1.FW 052808MBLK22
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: SOIL Lab Sample ID: 052808MBLK22 Lab File ID: BLK22M.D
 Sample wt/vol: 5 Units: G Date Received: 05/28/08
 Concentrated Extract Volume: 10 Date Extracted:
 Level:(low/med) HIGH Date Analyzed: 05/28/08 Time: 1256
 PercentSolids: 100 decanted: Dilution Factor: 50
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/KG

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	200	U
74-95-3	Dibromomethane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	1000	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	500	U
142-28-9	1,3-Dichloropropane	200	U
591-78-6	2-Hexanone	1000	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane(EDB)	200	U
108-90-7	Chlorobenzene	200	U
630-20-6	1,1,1,2-Tetrachloroethane	200	U
100-41-4	Ethylbenzene	200	U
511-39-00	p,m-Xylene	400	U
95-47-6	o-Xylene	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene (Cumene)	200	U
108-86-1	Bromobenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
96-18-4	1,2,3-Trichloropropane	200	U
103-65-1	n-Propylbenzene	200	U
95-49-8	2-Chlorotoluene	200	U
106-43-4	4-Chlorotoluene	200	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP R1 / 364298.01.SL.R1.FW 052808MBLK22
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Matrix: SOIL Lab Sample ID: 052808MBLK22 Lab File ID: BLK22M.D
 Sample wt/vol: 5 Units: G Date Received: 05/28/08
 Concentrated Extract Volume: 10 Date Extracted:
 Level:(low/med) HIGH Date Analyzed: 05/28/08 Time: 1256
 PercentSolids: 100 decanted: Dilution Factor: 50
 Extraction: PURGETRAP Station ID: Method: 8260
 GPC Cleanup : (Y/N) pH:
 Column(1): DB-624 ID: 0.18 (mm)
 CONCENTRATION UNITS: UG/KG

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	200	U
98-06-6	tert-Butylbenzene	200	U
95-63-6	1,2,4-Trimethylbenzene	200	U
135-98-8	sec-Butylbenzene	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
99-87-6	4-Isopropyltoluene	200	U
104-51-8	n-Butylbenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	1000	U
120-82-1	1,2,4-Trichlorobenzene	200	U
87-68-3	Hexachlorobutadiene	400	U
91-20-3	Naphthalene	200	U
87-61-6	1,2,3-Trichlorobenzene	200	U
1634-04-4	MTBE	200	U

VOLATILE ORGANIC METHOD BLANK SUMMARY

Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP R1 / 364298.01.SL.R1.FW	EPA Sample No. 052208BLK14
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Lab File ID:	BLK14.D		Lab Sample ID:	052208BLK14
Instrument ID:	VMS01		Date Extracted:	
Matrix:	SOIL		Date Analyzed:	05/22/08
Level:(low/med)	LOW		Time Analyzed:	1538

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	052208LCS14	052208LCS14	LCS14.D	05/22/08	1421
2	052208LCS14D	052208LCS14D	LCS14D.D	05/22/08	1447
3	CB-02-S-30	250933002	33002.D	05/22/08	1730
4	FD-052108A	250933003	33003.D	05/22/08	1756

COMMENTS:

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VOLATILE ORGANIC METHOD BLANK SUMMARY

Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP R1 / 364298.01.SL.R1.FW	EPA Sample No. 052208BLKA32
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Lab File ID:	BLK32.D		Lab Sample ID:	052208BLKA32
Instrument ID:	VMS03		Date Extracted:	
Matrix:	WATER		Date Analyzed:	05/22/08
Level:(low/med)	LOW		Time Analyzed:	0812

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	052208LCSA32	052208LCSA32	LCS32.D	05/22/08	0612
2	052208LCSA32D	052208LCSA32D	LCS32D.D	05/22/08	0636
3	TB-052108	250933004	33004.D	05/22/08	1523

COMMENTS:

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VOLATILE ORGANIC METHOD BLANK SUMMARY

Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP R1 / 364298.01.SL.R1.FW	EPA Sample No. 052808MBLK22
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509330
Lab File ID:	BLK22M.D		Lab Sample ID:	052808MBLK22
Instrument ID:	VMS02		Date Extracted:	
Matrix:	SOIL		Date Analyzed:	05/28/08
Level:(low/med)	HIGH		Time Analyzed:	1256

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	052808MLCSA22	052808MLCSA22	LCS22M.D	05/28/08	1040
2	052808MLCSA22D	052808MLCSA22D	LCS22DM.D	05/28/08	1106
3	CB-01-S-30	250933001	33001M.D	05/28/08	1325

COMMENTS:

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2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FLab Code : PEL Case No. SAS No: SDG NO.: 2509330Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
052208BLKA32	99.0	100.0	106.0	102.0			0
052208LCSA32	97.0	98.2	103.0	96.6			0
052208LCSA32D	101.0	101.0	101.0	97.6			0
TB-052108	94.6	98.2	103.0	98.2			0

Control Limits

S1 = Dibromofluoromethane	86 - 118
S2 = Toluene d8	88 - 110
S3 = 4-Bromofluorobenzene	86 - 115
S4 = 1,2-Dichloroethane-d4	80 - 120

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

100708 1817

2A

SOIL VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FLab Code : PEL Case No. SAS No: SDG NO.: 2509330Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
052208BLK14	105.0	102.0	103.0	119.0			0
052208LCS14	89.6	89.4	94.8	98.0			0
052208LCS14D	103.0	98.4	104.0	109.0			0
052808MBLK22	96.4	99.6	92.2	95.6			0
052808MLCSA22	94.2	95.4	93.2	103.0			0
052808MLCSA22D	95.8	98.8	98.4	95.4			0
CB-01-S-30	93.0	101.0	94.0	101.0			0
CB-02-S-30	103.0	99.8	95.4	112.0			0
FD-052108A	96.6	91.8	83.8	103.0			0

Control Limits

S1 = Dibromofluoromethane	68 - 119
S2 = Toluene d8	59 - 127
S3 = 4-Bromofluorobenzene	54 - 126
S4 = 1,2-Dichloroethane-d4	71 - 124

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

100708 1817

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Lab File ID: BFB31.D BFB Injection Date: 05/12/08
 Instrument ID: VMS03 BFB Injection Time: 0505
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.6
173	Less than 2.0% of mass 174	0.4 (0.7)1
174	50.0 - 100.0% of mass 95	59.2
175	5.0 - 9.0% of mass 174	4.5 (7.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	58.3 (98.6)1
177	5.0 - 9.0% of mass 176	4.4 (7.5)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD603113	1PPBCAL	1PPB.D	05/12/08	0625
2	STD603115	2PPBCAL	2PPB.D	05/12/08	0651
3	STD603117	5PPBCAL	5PPB.D	05/12/08	0717
4	STD603112	10PPBCAL	10PPB.D	05/12/08	0743
5	STD603114	20PPBCAL	20PPB.D	05/12/08	0808
6	STD603116	50PPBCAL	50PPB.D	05/12/08	0834
7	STD603118	60PPBCAL	60PPB.D	05/12/08	0859
8	STD603119	80PPBCAL	80PPBR.D	05/12/08	1022
9	SSC603131	SEC32	SEC32.D	05/12/08	1047

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Lab File ID: BFB22.D BFB Injection Date: 05/20/08
 Instrument ID: VMS02 BFB Injection Time: 0642
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	30.3
75	30.0 - 60.0% of mass 95	59.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.6
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 100.0% of mass 95	63.7
175	5.0 - 9.0% of mass 174	4.5 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	60.7 (95.2)1
177	5.0 - 9.0% of mass 176	4 (6.5)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD606238	1ppb	CAL1R.D	05/20/08	0738
2	STD606261	2ppb	CAL2.D	05/20/08	0806
3	STD606263	5ppb	CAL3.D	05/20/08	0834
4	STD606236	10ppb	CAL4.D	05/20/08	0901
5	STD606239	20ppb	CAL5.D	05/20/08	0929
6	STD606262	50ppb	CAL6.D	05/20/08	0957
7	STD606264	60ppb	CAL7.D	05/20/08	1025
8	STD606265	80ppb	CAL8.D	05/20/08	1053
9	SSC606270	sec21	SEC21.D	05/20/08	1122

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Lab File ID: BFB31.D BFB Injection Date: 05/22/08
 Instrument ID: VMS03 BFB Injection Time: 0500
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	48
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.5 (0.9)1
174	50.0 - 100.0% of mass 95	55.3
175	5.0 - 9.0% of mass 174	4.3 (7.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	53.8 (97.3)1
177	5.0 - 9.0% of mass 176	3.5 (6.5)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV606763	052208CCVA32	50CCV32.D	05/22/08	0548
2	052208LCSA32	052208LCSA32	LCS32.D	05/22/08	0612
3	052208LCSA32D	052208LCSA32	LCS32D.D	05/22/08	0636
4	052208BLKA32	052208BLKA32	BLK32.D	05/22/08	0812
5	TB-052108	250933004	33004.D	05/22/08	1523

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Lab File ID: BFB11.D BFB Injection Date: 05/22/08
 Instrument ID: VMS01 BFB Injection Time: 0613
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	45.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6
173	Less than 2.0% of mass 174	0.1 (0.1)1
174	50.0 - 100.0% of mass 95	65.9
175	5.0 - 9.0% of mass 174	4.7 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	63.6 (96.5)1
177	5.0 - 9.0% of mass 176	4.3 (6.8)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD607541	20PPB	CAL4.D	05/22/08	0739
2	STD607552	5PPB	CAL2.D	05/22/08	0806
3	STD607548	2PPB	CAL1.D	05/22/08	0831
4	STD607540	10PPB	CAL3.D	05/22/08	0857
5	STD607555	80PPB	CAL7.D	05/22/08	1019
6	STD607551	50PPB	CAL5R.D	05/22/08	1045
7	STD607554	60PPB	CAL6R.D	05/22/08	1111
8	SSC607558	SEC12	SEC12.D	05/22/08	1235

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Lab File ID: BFB13.D BFB Injection Date: 05/22/08
 Instrument ID: VMS01 BFB Injection Time: 1300
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.6
75	30.0 - 60.0% of mass 95	45.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 100.0% of mass 95	64.2
175	5.0 - 9.0% of mass 174	4.8 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	61.1 (95.2)1
177	5.0 - 9.0% of mass 176	4.1 (6.8)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV607537	052208CCV13	50CCV13.D	05/22/08	1329
2	052208LCS14	052208LCS14	LCS14.D	05/22/08	1421
3	052208LCS14D	052208LCS14D	LCS14D.D	05/22/08	1447
4	052208BLK14	052208BLK14	BLK14.D	05/22/08	1538
5	CB-02-S-30	250933002	33002.D	05/22/08	1730
6	FD-052108A	250933003	33003.D	05/22/08	1756

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Lab File ID: BFB22M.D BFB Injection Date: 05/28/08
 Instrument ID: VMS02 BFB Injection Time: 0919
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	30.8
75	30.0 - 60.0% of mass 95	57.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 100.0% of mass 95	62.5
175	5.0 - 9.0% of mass 174	4.8 (7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	60.9 (97.4)1
177	5.0 - 9.0% of mass 176	3.3 (5.4)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV608175	052808CCV22	50CCV22.D	05/28/08	1012
2	052808MLCSA22	052808MLCSA2	LCS22M.D	05/28/08	1040
3	052808MLCSA22D	052808MLCSA2	LCS22DM.D	05/28/08	1106
4	052808MBLK22	052808MBLK22	BLK22M.D	05/28/08	1256
5	CB-01-S-30	250933001	33001M.D	05/28/08	1325

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL, Spectrum Analytical, Inc.Contract: SLOP R1 / 364298.01.SL.R1.FWLab Code : PEL Case No. SAS No: SDG No.: 2509330Lab File ID (Standard): CAL5R.DDate Analyzed: 5/22/2008Instrument ID: VMS01Time Analyzed: 10:45GC Column: DB-624ID: 0.18 (mm)Matrix: (soil/water) SHeated Purge: (Y/N) Yes

	IS1 AREA #	RT	IS2 AREA #	RT	IS3 AREA #	RT
MID CAL STD	1206957	9.70	613888	12.03	1320042	6.43
UPPER LIMIT	2413914	10.20	1227776	12.53	2640084	6.93
LOWER LIMIT	603478.5	9.20	306944	11.53	660021	5.93
EPA SAMPLE NO.						
1 052208LCS14	1389571	9.71	662261	12.04	1632279	6.43
2 052208LCS14D	1193199	9.71	599424	12.04	1368975	6.43
3 052208BLK14	1172010	9.71	555059	12.04	1320782	6.44
4 CB-02-S-30	1137387	9.71	516742	12.04	1307161	6.44
5 FD-052108A	1248525	9.71	583578	12.04	1404184	6.43

IS1 = Chlorobenzene d5

UPPER LIMIT = +100%

IS2 = 1,4-Dichlorobenzene-d4

of internal standard area.

IS3 = Fluorobenzene

LOWER LIMIT = -50%

of internal standard area

Column used to flag internal standard area values with an asterisk

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL, Spectrum Analytical, Inc.Contract: SLOP R1 / 364298.01.SL.R1.FWLab Code : PEL Case No. SAS No: SDG No.: 2509330Lab File ID (Standard): CAL6.DDate Analyzed: 5/20/2008Instrument ID: VMS02Time Analyzed: 9:57GC Column: DB-624ID: 0.18 (mm)Matrix: (soil/water) SHeated Purge: (Y/N) Yes

	IS1 AREA #	RT	IS2 AREA #	RT	IS3 AREA #	RT
MID CAL STD	681819	10.95	322485	13.78	1082416	7.24
UPPER LIMIT	1363638	11.45	644970	14.28	2164832	7.74
LOWER LIMIT	340909.5	10.45	161242.5	13.28	541208	6.74
EPA SAMPLE NO.						
1 052808MLCSA22	595078	10.94	264843	13.78	894574	7.23
2 052808MLCSA22D	576127	10.94	250206	13.78	874786	7.23
3 052808MBLK22	556095	10.94	256154	13.78	863444	7.22
4 CB-01-S-30	551724	10.94	250515	13.78	843780	7.23

IS1 = Chlorobenzene d5

UPPER LIMIT = +100%

of internal standard area.

IS2 = 1,4-Dichlorobenzene-d4

LOWER LIMIT = -50%

IS3 = Fluorobenzene

of internal standard area

Column used to flag internal standard area values with an asterisk

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Lab File ID (Standard): 50PPB.D Date Analyzed: 5/12/2008
 Instrument ID: VMS03 Time Analyzed: 8:34
 GC Column: DB-624 ID: 0.18 (mm)

Matrix: (soil/water) W Heated Purge: (Y/N) No

	IS1 AREA #	RT	IS2 AREA #	RT	IS3 AREA #	RT
MID CAL STD	846827	10.57	454683	12.98	1261447	7.26
UPPER LIMIT	1693654	11.07	909366	13.48	2522894	7.76
LOWER LIMIT	423413.5	10.07	227341.5	12.48	630723.5	6.76
EPA SAMPLE NO.						
1 052208LCSA32	1012245	10.56	491013	12.97	1492257	7.25
2 052208LCSA32D	1010925	10.56	501303	12.97	1460974	7.25
3 052208BLKA32	1001347	10.56	470770	12.97	1431007	7.25
4 TB-052108	954804	10.56	458970	12.97	1394384	7.26

IS1 = Chlorobenzene d5

IS2 = 1,4-Dichlorobenzene-d4

IS3 = Fluorobenzene

UPPER LIMIT = +100%

of internal standard area.

LOWER LIMIT = -50%

of internal standard area

Column used to flag internal standard area values with an asterisk

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCS14

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	12.4	62.0		20.0	52 - 139
Chloromethane	20	15.4	77.0		18.0	63 - 135
Vinyl chloride	20	15.3	76.5		21.0	65 - 129
Bromomethane	20	5.4	27.0		30.0	22 - 136
Chloroethane	20	6.5	32.5 *		16.0	48 - 147
Trichlorofluoromethane	20	14.2	71.0		14.0	61 - 136
1,1-Dichloroethene	20	17.7	88.5		16.0	73 - 130
Acrolein	60	51.9	86.5		30.0	70 - 111
Methyl iodide	20	15.3	76.5		30.0	70 - 130
Carbon disulfide	20	16.1	80.5		17.0	76 - 121
Methylene chloride	20	21.4	107.0		17.0	78 - 122
trans-1,2-Dichloroethene	20	20	100.0		30.0	70 - 130
Acrylonitrile	60	61	102.0		30.0	74 - 117
1,1-Dichloroethane	20	20.6	103.0		30.0	70 - 130
Acetone	60	54.4	90.7		30.0	59 - 142
2,2-Dichloropropane	20	19.9	99.5		18.0	73 - 132
cis-1,2-Dichloroethene	20	20.3	102.0		30.0	70 - 130
Bromochloromethane	20	20.8	104.0		30.0	70 - 130
2-Butanone	60	58.5	97.5		30.0	72 - 136
Chloroform	20	20.3	102.0		30.0	70 - 130
1,1,1-Trichloroethane	20	19.5	97.5		30.0	70 - 130
Carbon tetrachloride	20	19.4	97.0		30.0	70 - 130
1,1-Dichloropropene	20	20.8	104.0		30.0	70 - 130
Benzene	20	20.6	103.0		30.0	70 - 130
1,2-Dichloroethane	20	21.6	108.0		12.0	78 - 136
Trichloroethene	20	19.8	99.0		12.0	75 - 126
Vinyl acetate	20	16.2	81.0		30.0	60 - 115
1,2-Dichloropropane	20	20.6	103.0		30.0	70 - 130
Dibromomethane	20	21.6	108.0		13.0	82 - 133
Bromodichloromethane	20	21.5	108.0		30.0	70 - 130
cis-1,3-Dichloropropene	20	21.6	108.0		30.0	70 - 130
4-Methyl-2-pentanone	60	65.3	109.0		15.0	80 - 125

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCS14

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Toluene	20	20.6	103.0		30.0	70 - 130
trans-1,3-Dichloropropene	20	20.2	101.0		14.0	82 - 129
1,1,2-Trichloroethane	20	20.4	102.0		30.0	70 - 130
Tetrachloroethene	20	21.3	106.0		16.0	69 - 134
1,3-Dichloropropane	20	22.2	111.0		30.0	70 - 130
2-Hexanone	60	63.5	106.0		21.0	72 - 127
Dibromochloromethane	20	21	105.0		10.0	75 - 131
1,2-Dibromoethane(EDB)	20	22.5	112.0		30.0	70 - 130
Chlorobenzene	20	21.3	106.0		30.0	70 - 130
1,1,1,2-Tetrachloroethane	20	21	105.0		9.0	82 - 121
Ethylbenzene	20	21.4	107.0		30.0	70 - 130
p,m-Xylene	40	42	105.0		30.0	70 - 130
o-Xylene	20	20.1	100.0		30.0	70 - 130
Styrene	20	21.1	106.0		30.0	70 - 130
Bromoform	20	20.3	102.0		13.0	79 - 119
Isopropylbenzene (Cumene)	20	21.4	107.0		30.0	70 - 130
Bromobenzene	20	21.5	108.0		13.0	79 - 141
1,1,2,2-Tetrachloroethane	20	22.1	110.0		18.0	82 - 122
1,2,3-Trichloropropane	20	20.5	102.0		13.0	74 - 129
n-Propylbenzene	20	21.7	108.0		10.0	81 - 116
2-Chlorotoluene	20	18	90.0		12.0	81 - 122
4-Chlorotoluene	20	21.9	110.0		30.0	70 - 130
1,3,5-Trimethylbenzene	20	21.1	106.0		30.0	70 - 130
tert-Butylbenzene	20	20.1	100.0		30.0	70 - 130
1,2,4-Trimethylbenzene	20	20.7	104.0		30.0	70 - 130
sec-Butylbenzene	20	20.9	104.0		30.0	70 - 130
1,3-Dichlorobenzene	20	20.3	102.0		30.0	70 - 130
1,4-Dichlorobenzene	20	20.3	102.0		30.0	70 - 130
4-Isopropyltoluene	20	20.7	104.0		30.0	70 - 130
n-Butylbenzene	20	20.4	102.0		30.0	70 - 130
1,2-Dichlorobenzene	20	20.1	100.0		30.0	70 - 130
1,2-Dibromo-3-chloropropane	20	20.7	104.0		23.0	72 - 143

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCS14

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	20	19.4	97.0		30.0	70 - 130
Hexachlorobutadiene	20	17.2	86.0		30.0	70 - 130
Naphthalene	20	20.5	102.0		30.0	70 - 130
1,2,3-Trichlorobenzene	20	18.6	93.0		30.0	70 - 130
MTBE	20	17.8	89.0		17.0	79 - 132

Spike Recovery: 1 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCS14D

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	14.4	72.0	14.9	20.0	52 - 139
Chloromethane	20	16.1	80.5	4.4	18.0	63 - 135
Vinyl chloride	20	17.8	89.0	15.1	21.0	65 - 129
Bromomethane	20	9.1	45.5	51.0 *	30.0	22 - 136
Chloroethane	20	11.2	56.0	53.1 *	16.0	48 - 147
Trichlorofluoromethane	20	17.3	86.5	19.7 *	14.0	61 - 136
1,1-Dichloroethene	20	19.6	98.0	10.2	16.0	73 - 130
Acrolein	60	53	88.3	2.1	30.0	70 - 111
Methyl iodide	20	18	90.0	16.2	30.0	70 - 130
Carbon disulfide	20	19.2	96.0	17.6 *	17.0	76 - 121
Methylene chloride	20	22.7	114.0	5.9	17.0	78 - 122
trans-1,2-Dichloroethene	20	21.7	108.0	8.2	30.0	70 - 130
Acrylonitrile	60	63	105.0	3.2	30.0	74 - 117
1,1-Dichloroethane	20	22	110.0	6.6	30.0	70 - 130
Acetone	60	52.2	87.0	4.1	30.0	59 - 142
2,2-Dichloropropane	20	20.6	103.0	3.5	18.0	73 - 132
cis-1,2-Dichloroethene	20	21.9	110.0	7.6	30.0	70 - 130
Bromochloromethane	20	20.6	103.0	1.0	30.0	70 - 130
2-Butanone	60	59.7	99.5	2.0	30.0	72 - 136
Chloroform	20	21.7	108.0	6.7	30.0	70 - 130
1,1,1-Trichloroethane	20	20.4	102.0	4.5	30.0	70 - 130
Carbon tetrachloride	20	18.9	94.5	2.6	30.0	70 - 130
1,1-Dichloropropene	20	21.1	106.0	1.4	30.0	70 - 130
Benzene	20	21.2	106.0	2.9	30.0	70 - 130
1,2-Dichloroethane	20	21.2	106.0	1.9	12.0	78 - 136
Trichloroethene	20	21	105.0	5.9	12.0	75 - 126
Vinyl acetate	20	17.9	89.5	10.0	30.0	60 - 115
1,2-Dichloropropane	20	21.5	108.0	4.3	30.0	70 - 130
Dibromomethane	20	22	110.0	1.8	13.0	82 - 133
Bromodichloromethane	20	21.8	109.0	1.4	30.0	70 - 130
cis-1,3-Dichloropropene	20	23.1	116.0	6.7	30.0	70 - 130
4-Methyl-2-pentanone	60	62.3	104.0	4.7	15.0	80 - 125

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCS14D

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Toluene	20	21.6	108.0	4.7	30.0	70 - 130
trans-1,3-Dichloropropene	20	21.8	109.0	7.6	14.0	82 - 129
1,1,2-Trichloroethane	20	22.6	113.0	10.2	30.0	70 - 130
Tetrachloroethene	20	21.1	106.0	0.9	16.0	69 - 134
1,3-Dichloropropane	20	21.8	109.0	1.8	30.0	70 - 130
2-Hexanone	60	64	107.0	0.8	21.0	72 - 127
Dibromochloromethane	20	21.8	109.0	3.7	10.0	75 - 131
1,2-Dibromoethane(EDB)	20	23.4	117.0	3.9	30.0	70 - 130
Chlorobenzene	20	22.3	112.0	4.6	30.0	70 - 130
1,1,1,2-Tetrachloroethane	20	21	105.0	0.0	9.0	82 - 121
Ethylbenzene	20	21.4	107.0	0.0	30.0	70 - 130
p,m-Xylene	40	43.6	109.0	3.7	30.0	70 - 130
o-Xylene	20	21.3	106.0	5.8	30.0	70 - 130
Styrene	20	21.9	110.0	3.7	30.0	70 - 130
Bromoform	20	21.9	110.0	7.6	13.0	79 - 119
Isopropylbenzene (Cumene)	20	21.4	107.0	0.0	30.0	70 - 130
Bromobenzene	20	21.8	109.0	1.4	13.0	79 - 141
1,1,2,2-Tetrachloroethane	20	23.2	116.0	4.9	18.0	82 - 122
1,2,3-Trichloropropane	20	20.9	104.0	1.9	13.0	74 - 129
n-Propylbenzene	20	22	110.0	1.4	10.0	81 - 116
2-Chlorotoluene	20	21.8	109.0	19.1 *	12.0	81 - 122
4-Chlorotoluene	20	21.6	108.0	1.4	30.0	70 - 130
1,3,5-Trimethylbenzene	20	21.6	108.0	2.3	30.0	70 - 130
tert-Butylbenzene	20	21.4	107.0	6.3	30.0	70 - 130
1,2,4-Trimethylbenzene	20	21.9	110.0	5.6	30.0	70 - 130
sec-Butylbenzene	20	21.7	108.0	3.8	30.0	70 - 130
1,3-Dichlorobenzene	20	21.6	108.0	6.2	30.0	70 - 130
1,4-Dichlorobenzene	20	21.6	108.0	6.2	30.0	70 - 130
4-Isopropyltoluene	20	21.4	107.0	3.3	30.0	70 - 130
n-Butylbenzene	20	22	110.0	7.5	30.0	70 - 130
1,2-Dichlorobenzene	20	22.3	112.0	10.4	30.0	70 - 130
1,2-Dibromo-3-chloropropane	20	22.2	111.0	7.0	23.0	72 - 143

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCS14D

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	20	21.7	108.0	11.2	30.0	70 - 130
Hexachlorobutadiene	20	20	100.0	15.1	30.0	70 - 130
Naphthalene	20	21.4	107.0	4.3	30.0	70 - 130
1,2,3-Trichlorobenzene	20	21	105.0	12.1	30.0	70 - 130
MTBE	20	18.6	93.0	4.4	17.0	79 - 132

Spike Recovery: 0 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCSA32

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	18.6	93.0		20.0	62 - 133
Chloromethane	20	20	100.0		20.0	63 - 124
Vinyl chloride	20	17.1	85.5		13.0	60 - 124
Bromomethane	20	22.4	112.0		20.0	58 - 144
Chloroethane	20	21.2	106.0		16.0	72 - 135
Trichlorofluoromethane	20	17.7	88.5		21.0	74 - 135
1,1-Dichloroethene	20	20.7	104.0		12.0	81 - 119
Acrolein	60	52.6	87.7		20.0	61 - 125
Methyl iodide	20	17.2	86.0		20.0	56 - 133
Carbon disulfide	20	18.1	90.5		13.0	65 - 121
Methylene chloride	20	20.2	101.0		20.0	75 - 111
trans-1,2-Dichloroethene	20	20.2	101.0		11.0	79 - 121
Acrylonitrile	60	55.5	92.5		17.0	62 - 132
1,1-Dichloroethane	20	19.1	95.5		9.0	76 - 118
Acetone	60	57.2	95.3		18.0	45 - 156
2,2-Dichloropropane	20	21.2	106.0		18.0	52 - 147
cis-1,2-Dichloroethene	20	19	95.0		11.0	75 - 123
Bromochloromethane	20	19.6	98.0		13.0	70 - 116
2-Butanone	60	51.8	86.3		15.0	76 - 124
Chloroform	20	19.3	96.5		11.0	80 - 115
1,1,1-Trichloroethane	20	18.6	93.0		14.0	79 - 123
Carbon tetrachloride	20	17	85.0		11.0	67 - 138
1,1-Dichloropropene	20	20.3	102.0		13.0	80 - 119
Benzene	20	19.3	96.5		11.0	71 - 120
1,2-Dichloroethane	20	19.6	98.0		7.0	83 - 114
Trichloroethene	20	19.4	97.0		11.0	76 - 123
Vinyl acetate	20	18	90.0		11.0	49 - 136
1,2-Dichloropropane	20	20.1	100.0		8.0	74 - 118
Dibromomethane	20	19.7	98.5		15.0	75 - 119
Bromodichloromethane	20	19.3	96.5		9.0	78 - 117
cis-1,3-Dichloropropene	20	19.3	96.5		9.0	63 - 129
4-Methyl-2-pentanone	60	56.1	93.5		10.0	61 - 134

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCSA32

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Toluene	20	20.1	100.0		7.0	75 - 119
trans-1,3-Dichloropropene	20	20	100.0		8.0	68 - 127
1,1,2-Trichloroethane	20	18.6	93.0		8.0	80 - 117
Tetrachloroethene	20	19.7	98.5		9.0	70 - 130
1,3-Dichloropropane	20	19.6	98.0		9.0	83 - 112
2-Hexanone	60	52	86.7		11.0	75 - 132
Dibromochloromethane	20	18.2	91.0		10.0	78 - 123
1,2-Dibromoethane(EDB)	20	19.1	95.5		8.0	84 - 121
Chlorobenzene	20	20.1	100.0		8.0	70 - 130
1,1,1,2-Tetrachloroethane	20	19.1	95.5		11.0	75 - 133
Ethylbenzene	20	20.3	102.0		11.0	70 - 130
p,m-Xylene	40	40.6	102.0		12.0	70 - 130
o-Xylene	20	20.2	101.0		13.0	70 - 130
Styrene	20	19.6	98.0		12.0	70 - 130
Bromoform	20	15.9	79.5		14.0	71 - 128
Isopropylbenzene (Cumene)	20	21.5	108.0		11.0	83 - 123
Bromobenzene	20	20.4	102.0		9.0	74 - 120
1,1,2,2-Tetrachloroethane	20	18.8	94.0		8.0	84 - 113
1,2,3-Trichloropropane	20	18.2	91.0		20.0	84 - 119
n-Propylbenzene	20	21.5	108.0		11.0	82 - 121
2-Chlorotoluene	20	21.6	108.0		10.0	70 - 130
4-Chlorotoluene	20	20.8	104.0		12.0	83 - 123
1,3,5-Trimethylbenzene	20	21.5	108.0		12.0	84 - 124
tert-Butylbenzene	20	21.2	106.0		20.0	82 - 125
1,2,4-Trimethylbenzene	20	21.4	107.0		9.0	82 - 124
sec-Butylbenzene	20	21.1	106.0		16.0	83 - 122
1,3-Dichlorobenzene	20	21	105.0		8.0	84 - 118
1,4-Dichlorobenzene	20	21	105.0		10.0	70 - 130
4-Isopropyltoluene	20	21.5	108.0		11.0	83 - 126
n-Butylbenzene	20	21.4	107.0		14.0	83 - 125
1,2-Dichlorobenzene	20	20.2	101.0		11.0	70 - 130
1,2-Dibromo-3-chloropropane	20	18	90.0		18.0	63 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCSA32

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	20	20.7	104.0		20.0	83 - 123
Hexachlorobutadiene	20	21.7	108.0		20.0	68 - 149
Naphthalene	20	20.6	103.0		13.0	80 - 131
1,2,3-Trichlorobenzene	20	21.4	107.0		16.0	73 - 141
MTBE	20	19.6	98.0		17.0	76 - 123

Spike Recovery: 0 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCSA32D

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	20.1	100.0	7.8	20.0	62 - 133
Chloromethane	20	20.3	102.0	1.5	20.0	63 - 124
Vinyl chloride	20	16	80.0	6.6	13.0	60 - 124
Bromomethane	20	21.4	107.0	4.6	20.0	58 - 144
Chloroethane	20	21.4	107.0	0.9	16.0	72 - 135
Trichlorofluoromethane	20	16.2	81.0	8.8	21.0	74 - 135
1,1-Dichloroethene	20	20.3	102.0	2.0	12.0	81 - 119
Acrolein	60	58.3	97.2	10.3	20.0	61 - 125
Methyl iodide	20	16.4	82.0	4.8	20.0	56 - 133
Carbon disulfide	20	18.2	91.0	0.6	13.0	65 - 121
Methylene chloride	20	19.9	99.5	1.5	20.0	75 - 111
trans-1,2-Dichloroethene	20	20.2	101.0	0.0	11.0	79 - 121
Acrylonitrile	60	59.4	99.0	6.8	17.0	62 - 132
1,1-Dichloroethane	20	19.4	97.0	1.6	9.0	76 - 118
Acetone	60	62.3	104.0	8.5	18.0	45 - 156
2,2-Dichloropropane	20	20.3	102.0	4.3	18.0	52 - 147
cis-1,2-Dichloroethene	20	19	95.0	0.0	11.0	75 - 123
Bromochloromethane	20	19.4	97.0	1.0	13.0	70 - 116
2-Butanone	60	54.2	90.3	4.5	15.0	76 - 124
Chloroform	20	19.5	97.5	1.0	11.0	80 - 115
1,1,1-Trichloroethane	20	18.5	92.5	0.5	14.0	79 - 123
Carbon tetrachloride	20	16	80.0	6.1	11.0	67 - 138
1,1-Dichloropropene	20	19.9	99.5	2.0	13.0	80 - 119
Benzene	20	19.8	99.0	2.6	11.0	71 - 120
1,2-Dichloroethane	20	19.7	98.5	0.5	7.0	83 - 114
Trichloroethene	20	19.5	97.5	0.5	11.0	76 - 123
Vinyl acetate	20	17.9	89.5	0.6	11.0	49 - 136
1,2-Dichloropropane	20	20.5	102.0	2.0	8.0	74 - 118
Dibromomethane	20	19.5	97.5	1.0	15.0	75 - 119
Bromodichloromethane	20	19.4	97.0	0.5	9.0	78 - 117
cis-1,3-Dichloropropene	20	19.1	95.5	1.0	9.0	63 - 129
4-Methyl-2-pentanone	60	54.2	90.3	3.4	10.0	61 - 134

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCSA32D

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Toluene	20	19.5	97.5	3.0	7.0	75 - 119
trans-1,3-Dichloropropene	20	19.6	98.0	2.0	8.0	68 - 127
1,1,2-Trichloroethane	20	19	95.0	2.1	8.0	80 - 117
Tetrachloroethene	20	18.6	93.0	5.7	9.0	70 - 130
1,3-Dichloropropane	20	19.4	97.0	1.0	9.0	83 - 112
2-Hexanone	60	51.1	85.2	1.7	11.0	75 - 132
Dibromochloromethane	20	17.5	87.5	3.9	10.0	78 - 123
1,2-Dibromoethane(EDB)	20	18.4	92.0	3.7	8.0	84 - 121
Chlorobenzene	20	18.9	94.5	6.2	8.0	70 - 130
1,1,1,2-Tetrachloroethane	20	18.9	94.5	1.1	11.0	75 - 133
Ethylbenzene	20	18.8	94.0	7.7	11.0	70 - 130
p,m-Xylene	40	38.6	96.5	5.1	12.0	70 - 130
o-Xylene	20	19.8	99.0	2.0	13.0	70 - 130
Styrene	20	19.3	96.5	1.5	12.0	70 - 130
Bromoform	20	14.9	74.5	6.5	14.0	71 - 128
Isopropylbenzene (Cumene)	20	19.4	97.0	10.3	11.0	83 - 123
Bromobenzene	20	19.9	99.5	2.5	9.0	74 - 120
1,1,2,2-Tetrachloroethane	20	18.5	92.5	1.6	8.0	84 - 113
1,2,3-Trichloropropane	20	18.7	93.5	2.7	20.0	84 - 119
n-Propylbenzene	20	20.3	102.0	5.7	11.0	82 - 121
2-Chlorotoluene	20	19.9	99.5	8.2	10.0	70 - 130
4-Chlorotoluene	20	19.8	99.0	4.9	12.0	83 - 123
1,3,5-Trimethylbenzene	20	20.2	101.0	6.2	12.0	84 - 124
tert-Butylbenzene	20	20.1	100.0	5.3	20.0	82 - 125
1,2,4-Trimethylbenzene	20	20.3	102.0	5.3	9.0	82 - 124
sec-Butylbenzene	20	20.1	100.0	4.9	16.0	83 - 122
1,3-Dichlorobenzene	20	20.1	100.0	4.4	8.0	84 - 118
1,4-Dichlorobenzene	20	19.6	98.0	6.9	10.0	70 - 130
4-Isopropyltoluene	20	20.6	103.0	4.3	11.0	83 - 126
n-Butylbenzene	20	20.4	102.0	4.8	14.0	83 - 125
1,2-Dichlorobenzene	20	19.9	99.5	1.5	11.0	70 - 130
1,2-Dibromo-3-chloropropane	20	16.5	82.5	8.7	18.0	63 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052208LCSA32D

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	20	19	95.0	8.6	20.0	83 - 123
Hexachlorobutadiene	20	20.8	104.0	4.2	20.0	68 - 149
Naphthalene	20	18.8	94.0	9.1	13.0	80 - 131
1,2,3-Trichlorobenzene	20	19.5	97.5	9.3	16.0	73 - 141
MTBE	20	20.6	103.0	5.0	17.0	76 - 123

Spike Recovery: 0 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052808MLCSA22

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	2000	2100	105.0		20.0	52 - 139
Chloromethane	2000	2160	108.0		18.0	63 - 135
Vinyl chloride	2000	2130	106.0		21.0	65 - 129
Bromomethane	2000	2170	108.0		30.0	22 - 136
Chloroethane	2000	2150	108.0		16.0	48 - 147
Trichlorofluoromethane	2000	2030	102.0		14.0	61 - 136
1,1-Dichloroethene	2000	1910	95.5		16.0	73 - 130
Acrolein	6000	6760	113.0 *		30.0	70 - 111
Methyl iodide	2000	2120	106.0		30.0	70 - 130
Carbon disulfide	2000	1960	98.0		17.0	76 - 121
Methylene chloride	2000	2110	106.0		17.0	78 - 122
trans-1,2-Dichloroethene	2000	2040	102.0		30.0	70 - 130
Acrylonitrile	6000	5970	99.5		30.0	74 - 117
1,1-Dichloroethane	2000	2000	100.0		30.0	70 - 130
Acetone	6000	5480	91.3		30.0	59 - 142
2,2-Dichloropropane	2000	1860	93.0		18.0	73 - 132
cis-1,2-Dichloroethene	2000	2180	109.0		30.0	70 - 130
Bromochloromethane	2000	2120	106.0		30.0	70 - 130
2-Butanone	6000	5560	92.7		30.0	72 - 136
Chloroform	2000	2030	102.0		30.0	70 - 130
1,1,1-Trichloroethane	2000	1930	96.5		30.0	70 - 130
Carbon tetrachloride	2000	1880	94.0		30.0	70 - 130
1,1-Dichloropropene	2000	1990	99.5		30.0	70 - 130
Benzene	2000	2020	101.0		30.0	70 - 130
1,2-Dichloroethane	2000	1960	98.0		12.0	78 - 136
Trichloroethene	2000	2050	102.0		12.0	75 - 126
Vinyl acetate	2000	2010	100.0		30.0	60 - 115
1,2-Dichloropropane	2000	2020	101.0		30.0	70 - 130
Dibromomethane	2000	2000	100.0		13.0	82 - 133
Bromodichloromethane	2000	2050	102.0		30.0	70 - 130
cis-1,3-Dichloropropene	2000	2160	108.0		30.0	70 - 130
4-Methyl-2-pentanone	6000	6100	102.0		15.0	80 - 125

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052808MLCSA22

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Toluene	2000	1990	99.5		30.0	70 - 130
trans-1,3-Dichloropropene	2000	2050	102.0		14.0	82 - 129
1,1,2-Trichloroethane	2000	2160	108.0		30.0	70 - 130
Tetrachloroethene	2000	2120	106.0		16.0	69 - 134
1,3-Dichloropropane	2000	2050	102.0		30.0	70 - 130
2-Hexanone	6000	5840	97.3		21.0	72 - 127
Dibromochloromethane	2000	1950	97.5		10.0	75 - 131
1,2-Dibromoethane(EDB)	2000	1980	99.0		30.0	70 - 130
Chlorobenzene	2000	1970	98.5		30.0	70 - 130
1,1,1,2-Tetrachloroethane	2000	1840	92.0		9.0	82 - 121
Ethylbenzene	2000	2050	102.0		30.0	70 - 130
p,m-Xylene	4000	4070	102.0		30.0	70 - 130
o-Xylene	2000	1980	99.0		30.0	70 - 130
Styrene	2000	1950	97.5		30.0	70 - 130
Bromoform	2000	1900	95.0		13.0	79 - 119
Isopropylbenzene (Cumene)	2000	2000	100.0		30.0	70 - 130
Bromobenzene	2000	1910	95.5		13.0	79 - 141
1,1,2,2-Tetrachloroethane	2000	2020	101.0		18.0	82 - 122
1,2,3-Trichloropropane	2000	1820	91.0		13.0	74 - 129
n-Propylbenzene	2000	2010	100.0		10.0	81 - 116
2-Chlorotoluene	2000	2010	100.0		12.0	81 - 122
4-Chlorotoluene	2000	1900	95.0		30.0	70 - 130
1,3,5-Trimethylbenzene	2000	2040	102.0		30.0	70 - 130
tert-Butylbenzene	2000	2020	101.0		30.0	70 - 130
1,2,4-Trimethylbenzene	2000	1970	98.5		30.0	70 - 130
sec-Butylbenzene	2000	2060	103.0		30.0	70 - 130
1,3-Dichlorobenzene	2000	2060	103.0		30.0	70 - 130
1,4-Dichlorobenzene	2000	2190	110.0		30.0	70 - 130
4-Isopropyltoluene	2000	2070	104.0		30.0	70 - 130
n-Butylbenzene	2000	2150	108.0		30.0	70 - 130
1,2-Dichlorobenzene	2000	1920	96.0		30.0	70 - 130
1,2-Dibromo-3-chloropropane	2000	1790	89.5		23.0	72 - 143

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052808MLCSA22

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	2000	2270	114.0		30.0	70 - 130
Hexachlorobutadiene	2000	2140	107.0		30.0	70 - 130
Naphthalene	2000	2570	128.0		30.0	70 - 130
1,2,3-Trichlorobenzene	2000	2520	126.0		30.0	70 - 130
MTBE	2000	2140	107.0		17.0	79 - 132

Spike Recovery: 1 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052808MLCSA22D

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	2000	2070	104.0	1.4	20.0	52 - 139
Chloromethane	2000	2210	110.0	2.3	18.0	63 - 135
Vinyl chloride	2000	2070	104.0	2.9	21.0	65 - 129
Bromomethane	2000	2140	107.0	1.4	30.0	22 - 136
Chloroethane	2000	2140	107.0	0.5	16.0	48 - 147
Trichlorofluoromethane	2000	2040	102.0	0.5	14.0	61 - 136
1,1-Dichloroethene	2000	1960	98.0	2.6	16.0	73 - 130
Acrolein	6000	6200	103.0	8.6	30.0	70 - 111
Methyl iodide	2000	2070	104.0	2.4	30.0	70 - 130
Carbon disulfide	2000	2000	100.0	2.0	17.0	76 - 121
Methylene chloride	2000	2180	109.0	3.3	17.0	78 - 122
trans-1,2-Dichloroethene	2000	1970	98.5	3.5	30.0	70 - 130
Acrylonitrile	6000	5800	96.7	2.9	30.0	74 - 117
1,1-Dichloroethane	2000	2010	100.0	0.5	30.0	70 - 130
Acetone	6000	5690	94.8	3.8	30.0	59 - 142
2,2-Dichloropropane	2000	1880	94.0	1.1	18.0	73 - 132
cis-1,2-Dichloroethene	2000	2110	106.0	3.3	30.0	70 - 130
Bromochloromethane	2000	2130	106.0	0.5	30.0	70 - 130
2-Butanone	6000	5660	94.3	1.8	30.0	72 - 136
Chloroform	2000	1970	98.5	3.0	30.0	70 - 130
1,1,1-Trichloroethane	2000	1940	97.0	0.5	30.0	70 - 130
Carbon tetrachloride	2000	1960	98.0	4.2	30.0	70 - 130
1,1-Dichloropropene	2000	2090	104.0	4.9	30.0	70 - 130
Benzene	2000	2050	102.0	1.5	30.0	70 - 130
1,2-Dichloroethane	2000	2070	104.0	5.5	12.0	78 - 136
Trichloroethene	2000	1980	99.0	3.5	12.0	75 - 126
Vinyl acetate	2000	2030	102.0	1.0	30.0	60 - 115
1,2-Dichloropropane	2000	2190	110.0	8.1	30.0	70 - 130
Dibromomethane	2000	2020	101.0	1.0	13.0	82 - 133
Bromodichloromethane	2000	2190	110.0	6.6	30.0	70 - 130
cis-1,3-Dichloropropene	2000	2190	110.0	1.4	30.0	70 - 130
4-Methyl-2-pentanone	6000	6210	104.0	1.8	15.0	80 - 125

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052808MLCSA22D

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Toluene	2000	2080	104.0	4.4	30.0	70 - 130
trans-1,3-Dichloropropene	2000	2220	111.0	8.0	14.0	82 - 129
1,1,2-Trichloroethane	2000	2100	105.0	2.8	30.0	70 - 130
Tetrachloroethene	2000	2080	104.0	1.9	16.0	69 - 134
1,3-Dichloropropane	2000	2100	105.0	2.4	30.0	70 - 130
2-Hexanone	6000	6420	107.0	9.5	21.0	72 - 127
Dibromochloromethane	2000	1910	95.5	2.1	10.0	75 - 131
1,2-Dibromoethane(EDB)	2000	2050	102.0	3.5	30.0	70 - 130
Chlorobenzene	2000	2010	100.0	2.0	30.0	70 - 130
1,1,1,2-Tetrachloroethane	2000	1940	97.0	5.3	9.0	82 - 121
Ethylbenzene	2000	2050	102.0	0.0	30.0	70 - 130
p,m-Xylene	4000	4250	106.0	4.3	30.0	70 - 130
o-Xylene	2000	2040	102.0	3.0	30.0	70 - 130
Styrene	2000	2030	102.0	4.0	30.0	70 - 130
Bromoform	2000	1870	93.5	1.6	13.0	79 - 119
Isopropylbenzene (Cumene)	2000	2060	103.0	3.0	30.0	70 - 130
Bromobenzene	2000	2020	101.0	5.6	13.0	79 - 141
1,1,2,2-Tetrachloroethane	2000	2310	116.0	13.4	18.0	82 - 122
1,2,3-Trichloropropane	2000	1910	95.5	4.8	13.0	74 - 129
n-Propylbenzene	2000	2090	104.0	3.9	10.0	81 - 116
2-Chlorotoluene	2000	2090	104.0	3.9	12.0	81 - 122
4-Chlorotoluene	2000	2120	106.0	10.9	30.0	70 - 130
1,3,5-Trimethylbenzene	2000	2090	104.0	2.4	30.0	70 - 130
tert-Butylbenzene	2000	2220	111.0	9.4	30.0	70 - 130
1,2,4-Trimethylbenzene	2000	2140	107.0	8.3	30.0	70 - 130
sec-Butylbenzene	2000	2050	102.0	0.5	30.0	70 - 130
1,3-Dichlorobenzene	2000	2150	108.0	4.3	30.0	70 - 130
1,4-Dichlorobenzene	2000	2200	110.0	0.5	30.0	70 - 130
4-Isopropyltoluene	2000	2160	108.0	4.3	30.0	70 - 130
n-Butylbenzene	2000	2150	108.0	0.0	30.0	70 - 130
1,2-Dichlorobenzene	2000	2120	106.0	9.9	30.0	70 - 130
1,2-Dibromo-3-chloropropane	2000	1990	99.5	10.6	23.0	72 - 143

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.F

052808MLCSA22D

Lab Code : PEL Case No. SAS No: SDG No.: 2509330

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	2000	2180	109.0	4.0	30.0	70 - 130
Hexachlorobutadiene	2000	2180	109.0	1.9	30.0	70 - 130
Naphthalene	2000	2310	116.0	10.7	30.0	70 - 130
1,2,3-Trichlorobenzene	2000	2250	112.0	11.3	30.0	70 - 130
MTBE	2000	1930	96.5	10.3	17.0	79 - 132

Spike Recovery: 0 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Standards Data

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 Calibration Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 739 End: 1111
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF50	<u>RRF</u>	%RSD OR R^2
	RRF2 =CAL1.D RRF10 =CAL3.D	RRF5 =CAL2.D RRF20 =CAL4.D	RRF10 =CAL5R.D				
Dichlorodifluoromethane	0.479	0.389	0.489	0.536	0.502		
Chloromethane	# 0.494	0.510	0.520	0.597	0.563		#
Vinyl chloride	* 0.493	0.421	0.496	0.573	0.563		*
Bromomethane	0.328	0.313	0.331	0.294	0.179		
Chloroethane	0.260	0.258	0.240	0.232	0.147		
Trichlorofluoromethane	0.555	0.421	0.466	0.545	0.492		
1,1-Dichloroethene	* 0.620	0.479	0.565	0.560	0.587		*
Acrolein		0.053	0.052	0.050	0.051		
Methyl iodide	0.822	0.752	0.821	0.835	0.788		
Carbon disulfide	0.943	0.888	0.979	1.102	1.044		
Methylene chloride	1.353	0.754	0.599	0.593	0.554		
trans-1,2-Dichloroethene	0.548	0.495	0.534	0.591	0.626		
Acrylonitrile	0.136	0.103	0.132	0.130	0.141		
1,1-Dichloroethane	# 0.617	0.658	0.637	0.739	0.730		#
Acetone	0.300	0.130	0.137	0.116	0.109		
2,2-Dichloropropane	0.372	0.307	0.336	0.352	0.357		
cis-1,2-Dichloroethene	0.500	0.541	0.537	0.595	0.575		
Bromochloromethane	0.246	0.263	0.251	0.262	0.255		
2-Butanone		0.161	0.170	0.164	0.160		
Chloroform	* 0.694	0.676	0.746	0.748	0.762		*
1,1,1-Trichloroethane	0.507	0.432	0.456	0.485	0.503		
Carbon tetrachloride	0.304	0.342	0.350	0.406	0.421		
1,1-Dichloropropene	0.544	0.481	0.525	0.584	0.605		
Benzene	1.649	1.701	1.676	1.801	1.802		
1,2-Dichloroethane	0.492	0.483	0.506	0.499	0.512		
Trichloroethene	0.431	0.420	0.449	0.485	0.496		
Vinyl acetate	0.708	0.452	0.622	0.563	0.546		
1,2-Dichloropropane	* 0.409	0.404	0.430	0.440	0.443		*
Dibromomethane	0.315	0.317	0.312	0.299	0.326		
Bromodichloromethane	0.497	0.488	0.539	0.562	0.585		
cis-1,3-Dichloropropene	0.549	0.603	0.663	0.689	0.696		
4-Methyl-2-pentanone	0.686	0.687	0.798	0.763	0.747		
Toluene	* 1.281	1.091	1.183	1.207	1.189		*
trans-1,3-Dichloropropene	0.470	0.468	0.546	0.586	0.602		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 Calibration Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 739 End: 1111
 Min RRF for SPCC(#= 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF50	<u>RRF</u>	%RSD OR R^2
	RRF2 =CAL1.D RRF10 =CAL3.D	RRF5 =CAL2.D RRF20 =CAL4.D	RRF10 =CAL5R.D				
1,1,2-Trichloroethane	0.380	0.383	0.415	0.412	0.419		
Tetrachloroethene	0.376	0.376	0.417	0.419	0.423		
1,3-Dichloropropane	0.759	0.793	0.824	0.800	0.757		
2-Hexanone		0.217	0.277	0.282	0.279		
Dibromochloromethane	0.499	0.469	0.506	0.506	0.523		
1,2-Dibromoethane(EDB)	0.444	0.448	0.497	0.498	0.505		
Chlorobenzene	# 1.378	1.366	1.446	1.512	1.435		#
1,1,1,2-Tetrachloroethane	0.464	0.460	0.482	0.460	0.478		
Ethylbenzene	* 0.701	0.658	0.772	0.774	0.753		*
p,m-Xylene	0.946	0.871	0.946	0.995	0.934		
o-Xylene	1.772	1.735	1.957	1.996	1.836		
Styrene	1.447	1.494	1.601	1.689	1.620		
Bromoform	# 0.252	0.276	0.319	0.337	0.343		#
Isopropylbenzene (Cumene)	4.786	4.379	4.394	4.773	4.515		
Bromobenzene	1.784	1.722	1.794	1.799	1.708		
1,1,2,2-Tetrachloroethane	# 1.279	1.227	1.239	1.265	1.259		#
1,2,3-Trichloropropane	0.362	0.324	0.358	0.342	0.311		
n-Propylbenzene	5.190	5.275	5.567	6.023	5.662		
2-Chlorotoluene	3.730	3.642	3.608	3.713	3.081		
4-Chlorotoluene	3.990	3.487	3.802	3.932	3.680		
1,3,5-Trimethylbenzene	3.689	3.570	3.685	3.973	3.702		
tert-Butylbenzene	3.044	2.905	2.977	3.158	3.034		
1,2,4-Trimethylbenzene	3.664	3.591	3.669	3.988	3.748		
sec-Butylbenzene	4.922	4.442	4.673	5.143	4.963		
1,3-Dichlorobenzene	2.302	2.058	2.179	2.262	2.173		
1,4-Dichlorobenzene	2.309	2.131	2.215	2.256	2.146		
4-Isopropyltoluene	3.530	3.587	3.581	3.938	3.818		
n-Butylbenzene	3.341	3.161	3.321	3.808	3.626		
1,2-Dichlorobenzene	2.338	1.902	1.982	2.054	1.985		
1,2-Dibromo-3-chloropropane		0.181	0.171	0.196	0.213		
1,2,4-Trichlorobenzene	1.211	1.265	1.131	1.176	1.163		
Hexachlorobutadiene	0.443	0.347	0.365	0.359	0.321		
Naphthalene	2.592	2.668	2.353	2.633	2.568		
1,2,3-Trichlorobenzene	1.305	1.244	1.008	1.143	1.048		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 Calibration Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 739 End: 1111
 Min RRF for SPCC(#= 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF10 =CAL3.D	RRF2 =CAL1.D RRF20 =CAL4.D			RRF5 =CAL2.D RRF50 =CAL5R.D			%RSD OR R^2
COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF50	<u>RRF</u>	
MTBE	1.104	1.076	1.182	1.144	1.104		
Dibromofluoromethane(SURR)			0.429	0.418	0.368		
Toluene d8(SURR)			1.513	1.566	1.337		
4-Bromofluorobenzene(SURR)			1.307	1.362	1.153		
1,2-Dichloroethane-d4(SURR)			0.104	0.109	0.094		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 Calibration Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 739 End: 1111
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF60 =CAL6R.D		RRF80 =CAL7.D		<u>RRF</u>	%RSD OR R^2
	RRF60	RRF80				
Dichlorodifluoromethane	0.499	0.477			0.48175	9.4
Chloromethane	# 0.563	0.531			0.53965	6.7 #
Vinyl chloride	* 0.581	0.534			0.52297	10.9 *
Bromomethane	0.158				0.26713	0.99376
Chloroethane	0.137				0.21242	0.9971
Trichlorofluoromethane	0.543	0.450			0.49591	10.6
1,1-Dichloroethene	* 0.678	0.602			0.58471	10.4 *
Acrolein	0.041	0.036			0.04711	14.7
Methyl iodide	0.739	0.741			0.78547	5.3
Carbon disulfide	0.994	0.999			0.99289	6.9
Methylene chloride	0.583	0.550			0.71241	0.99835
trans-1,2-Dichloroethene	0.662	0.635			0.5845	10.4
Acrylonitrile	0.115	0.127			0.12634	10.3
1,1-Dichloroethane	# 0.804	0.766			0.70721	9.9 #
Acetone	0.093	0.086			0.1387	0.9908
2,2-Dichloropropane	0.413	0.361			0.35668	9.1
cis-1,2-Dichloroethene	0.641	0.591			0.56839	8.2
Bromochloromethane	0.283	0.260			0.2601	4.6
2-Butanone	0.141	0.139			0.15569	8.1
Chloroform	* 0.871	0.803			0.75716	8.7 *
1,1,1-Trichloroethane	0.577	0.534			0.49901	9.7
Carbon tetrachloride	0.493	0.458			0.39618	0.99435
1,1-Dichloropropene	0.688	0.639			0.58076	12.2
Benzene	2.010	1.928			1.79522	7.5
1,2-Dichloroethane	0.578	0.521			0.51322	6.1
Trichloroethene	0.564	0.508			0.47901	10.5
Vinyl acetate	0.554	0.575			0.57425	13.6
1,2-Dichloropropane	* 0.478	0.457			0.43725	5.9 *
Dibromomethane	0.364	0.329			0.32314	6.3
Bromodichloromethane	0.671	0.611			0.56458	11.4
cis-1,3-Dichloropropene	0.810	0.735			0.67805	12.6
4-Methyl-2-pentanone	0.701	0.710			0.7275	5.9
Toluene	* 1.353	1.251			1.22218	6.8 *
trans-1,3-Dichloropropene	0.715	0.634			0.57457	0.99087

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 Calibration Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 739 End: 1111
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF60	RRF80	RRF			%RSD OR R^2
1,1,2-Trichloroethane	0.485	0.431				0.418 8.4
Tetrachloroethene	0.489	0.442				0.42024 9.3
1,3-Dichloropropane	0.868	0.787				0.79812 4.8
2-Hexanone	0.261	0.265				0.26335 9.1
Dibromochloromethane	0.599	0.541				0.52056 7.9
1,2-Dibromoethane(EDB)	0.575	0.526				0.49882 9
Chlorobenzene	# 1.631	1.502				1.46719 6.2 #
1,1,1,2-Tetrachloroethane	0.526	0.493				0.48044 5
Ethylbenzene	* 0.877	0.817				0.76459 9.4 *
p.m-Xylene	1.038	0.955				0.95482 5.4
o-Xylene	2.120	1.958				1.91051 7.1
Styrene	1.827	1.669				1.62086 7.8
Bromoform	# 0.401	0.354				0.3261 0.99132 #
Isopropylbenzene (Cumene)	5.397	4.871				4.73098 7.5
Bromobenzene	2.052	1.883				1.82025 6.4
1,1,2,2-Tetrachloroethane	# 1.431	1.293				1.28465 5.3 #
1,2,3-Trichloropropane	0.391	0.326				0.3449 8
n-Propylbenzene	6.728	5.974				5.77397 9.1
2-Chlorotoluene	3.482	3.672				3.56113 6.4
4-Chlorotoluene	4.230	3.798				3.84556 6.2
1,3,5-Trimethylbenzene	4.265	3.813				3.81365 6.2
tert-Butylbenzene	3.548	3.206				3.12473 6.8
1,2,4-Trimethylbenzene	4.344	3.928				3.84742 6.8
sec-Butylbenzene	5.684	5.140				4.99505 7.9
1,3-Dichlorobenzene	2.504	2.253				2.24724 6.2
1,4-Dichlorobenzene	2.445	2.233				2.24769 4.7
4-Isopropyltoluene	4.358	3.955				3.8238 7.7
n-Butylbenzene	4.127	3.776				3.59436 9.4
1,2-Dichlorobenzene	2.252	1.977				2.06989 7.8
1,2-Dibromo-3-chloropropane	0.236	0.208				0.20084 11.6
1,2,4-Trichlorobenzene	1.352	1.214				1.21601 6.1
Hexachlorobutadiene	0.396	0.360				0.37026 10.5
Naphthalene	2.935	2.541				2.6129 6.7
1,2,3-Trichlorobenzene	1.174	1.054				1.13955 9.6

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 Calibration Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 739 End: 1111
 Min RRF for SPCC(#= 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID:		RRF60 =CAL6R.D			RRF80 =CAL7.D		
COMPOUND		RRF60	RRF80			RRF	%RSD OR R^2
MTBE		1.015	1.097			1.10312	4.8
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Dibromofluoromethane(SURR)		0.438	0.451			0.42086	7.6
Toluene d8(SURR)		1.618	1.666			1.53987	8.2
4-Bromofluorobenzene(SURR)		1.371	1.386			1.31592	7.3
1,2-Dichloroethane-d4(SURR)		0.107	0.110			0.10488	6.1

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 Calibration Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 738 End: 1053
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	<u>RRF</u>	%RSD OR R^2
	RRF1 =CAL1.R.D	RRF2 =CAL2.D	RRF5 =CAL3.D	RRF10 =CAL4.D	RRF20 =CAL5.D		
Dichlorodifluoromethane	0.309	0.462	0.440	0.374	0.433		
Chloromethane	# 0.559	0.504	0.375	0.351	0.370		#
Vinyl chloride	* 0.416	0.387	0.337	0.319	0.366		*
Bromomethane	0.215	0.244	0.228	0.233	0.244		
Chloroethane	0.188	0.342	0.280	0.272	0.259		
Trichlorofluoromethane	0.525	0.595	0.620	0.545	0.620		
1,1-Dichloroethene	* 0.617	0.721	0.621	0.608	0.570		*
Acrolein		0.033	0.035	0.034	0.030		
Methyl iodide	0.391	0.385	0.461	0.446	0.424		
Carbon disulfide	0.833	0.754	0.731	0.687	0.652		
Methylene chloride		0.500	0.375	0.352	0.322		
trans-1,2-Dichloroethene	0.543	0.613	0.626	0.566	0.556		
Acrylonitrile	0.095	0.053	0.060	0.071	0.069		
1,1-Dichloroethane	# 0.668	0.603	0.652	0.678	0.620		#
Acetone		0.225	0.143	0.102	0.102		
2,2-Dichloropropane	0.651	0.665	0.605	0.585	0.559		
cis-1,2-Dichloroethene	0.258	0.250	0.340	0.347	0.325		
Bromochloromethane	0.309	0.348	0.329	0.356	0.343		
2-Butanone	0.121	0.104	0.112	0.100	0.108		
Chloroform	* 0.647	0.617	0.694	0.709	0.665		*
1,1,1-Trichloroethane	0.497	0.496	0.513	0.526	0.537		
Carbon tetrachloride	0.378	0.404	0.421	0.386	0.402		
1,1-Dichloropropene	0.466	0.482	0.508	0.475	0.464		
Benzene	1.225	1.161	1.167	1.136	1.102		
1,2-Dichloroethane	0.612	0.513	0.607	0.611	0.580		
Trichloroethene	0.244	0.270	0.249	0.253	0.245		
Vinyl acetate	1.508	1.319	1.431	1.389	1.300		
1,2-Dichloropropane	* 0.353	0.299	0.353	0.314	0.308		*
Dibromomethane	0.166	0.154	0.172	0.185	0.179		
Bromodichloromethane	0.382	0.397	0.424	0.458	0.445		
cis-1,3-Dichloropropene	0.382	0.352	0.400	0.434	0.423		
4-Methyl-2-pentanone		0.222	0.226	0.239	0.219		
Toluene	* 0.782	0.651	0.653	0.639	0.649		*
trans-1,3-Dichloropropene	0.375	0.356	0.358	0.363	0.376		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 Calibration Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 738 End: 1053
 Min RRF for SPCC(#= 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	<u>RRF</u>	%RSD OR R^2
	RRF1 =CAL1.R.D RRF5 =CAL3.D	RRF2 =CAL2.D RRF10 =CAL4.D	RRF5 =CAL5.D	RRF10	RRF20		
1,1,2-Trichloroethane	0.153	0.160	0.187	0.158	0.186		
Tetrachloroethene	0.241	0.269	0.285	0.302	0.273		
1,3-Dichloropropane	0.547	0.625	0.618	0.604	0.593		
2-Hexanone		0.211	0.258	0.246	0.256		
Dibromochloromethane	0.328	0.345	0.319	0.369	0.338		
1,2-Dibromoethane(EDB)	0.240	0.298	0.293	0.299	0.282		
Chlorobenzene	# 1.089	1.073	1.016	1.080	0.976		#
1,1,1,2-Tetrachloroethane	0.320	0.371	0.383	0.402	0.340		
Ethylbenzene	* 0.426	0.537	0.464	0.553	0.508		*
p,m-Xylene	0.650	0.614	0.654	0.639	0.615		
o-Xylene	1.619	1.558	1.702	1.689	1.544		
Styrene	1.068	1.217	1.062	1.155	1.050		
Bromoform	# 0.075	0.123	0.125	0.170	0.172		#
Isopropylbenzene (Cumene)	3.944	3.658	3.537	3.626	3.361		
Bromobenzene	2.262	2.101	1.939	1.914	1.873		
1,1,2,2-Tetrachloroethane	# 0.524	0.679	0.677	0.668	0.715		#
1,2,3-Trichloropropane	0.111	0.086	0.152	0.180	0.188		
n-Propylbenzene	4.628	4.903	4.492	4.443	4.515		
2-Chlorotoluene	4.628	4.903	4.492	4.443	4.515		
4-Chlorotoluene	3.476	3.320	3.115	3.310	3.046		
1,3,5-Trimethylbenzene	2.758	2.906	3.015	3.039	2.937		
tert-Butylbenzene	2.031	2.042	2.001	2.005	2.018		
1,2,4-Trimethylbenzene	3.009	3.136	2.784	3.012	2.929		
sec-Butylbenzene	3.139	3.165	2.859	2.956	3.013		
1,3-Dichlorobenzene	1.390	1.497	1.482	1.569	1.497		
1,4-Dichlorobenzene	1.190	1.643	1.444	1.511	1.482		
4-Isopropyltoluene	2.278	2.450	2.460	2.383	2.497		
n-Butylbenzene	2.205	2.475	2.197	2.328	2.445		
1,2-Dichlorobenzene	1.462	1.397	1.187	1.432	1.276		
1,2-Dibromo-3-chloropropane		0.123	0.106	0.099	0.124		
1,2,4-Trichlorobenzene	0.542	0.627	0.527	0.598	0.757		
Hexachlorobutadiene	0.276	0.211	0.285	0.223	0.280		
Naphthalene	1.022	0.953	0.844	0.920	1.241		
1,2,3-Trichlorobenzene	0.424	0.494	0.470	0.440	0.569		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 Calibration Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 738 End: 1053
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID:	RRF1 =CAL1R.D			RRF2 =CAL2.D			%RSD OR R^2
RRF5 =CAL3.D	RRF10 =CAL4.D			RRF20 =CAL5.D			
COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	<u>RRF</u>	
MTBE	0.562	0.518	0.565	0.512	0.555		
Dibromofluoromethane(SURR)		0.347	0.277	0.297	0.305		
Toluene d8(SURR)		1.034	0.834	0.903	0.884		
4-Bromofluorobenzene(SURR)		1.530	1.201	1.357	1.300		
1,2-Dichloroethane-d4(SURR)			0.056	0.053	0.048		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 Calibration Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 738 End: 1053
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF50 =CAL6.D			RRF60 =CAL7.D			%RSD OR R^2
	RRF50	RRF60	RRF80			RRF	
Dichlorodifluoromethane	0.428	0.443	0.422			0.41387	12
Chloromethane	# 0.389	0.394	0.385			0.41596	0.99946 #
Vinyl chloride	* 0.370	0.377	0.359			0.3664	8.2 *
Bromomethane	0.252	0.259	0.266			0.24267	6.8
Chloroethane	0.233	0.251	0.242			0.25833	0.99838
Trichlorofluoromethane	0.602	0.634	0.602			0.59288	6.5
1,1-Dichloroethene	* 0.608	0.606	0.582			0.61673	7.4 *
Acrolein	0.032	0.034	0.033			0.03304	5.5
Methyl iodide	0.437	0.444	0.435			0.42801	6.3
Carbon disulfide	0.697	0.711	0.691			0.71951	7.7
Methylene chloride	0.312	0.318	0.317			0.35657	0.99987
trans-1,2-Dichloroethene	0.584	0.578	0.568			0.57919	4.8
Acrylonitrile	0.068	0.069	0.070			0.06936	0.99976
1,1-Dichloroethane	# 0.632	0.633	0.624			0.63874	4 #
Acetone	0.087	0.087	0.088			0.1192	0.99926
2,2-Dichloropropane	0.553	0.539	0.534			0.58643	8.5
cis-1,2-Dichloroethene	0.310	0.318	0.310			0.30734	11.6
Bromochloromethane	0.343	0.337	0.335			0.33744	4.2
2-Butanone	0.104	0.102	0.100			0.10646	6.8
Chloroform	* 0.658	0.671	0.658			0.66478	4.2 *
1,1,1-Trichloroethane	0.529	0.537	0.519			0.51922	3.1
Carbon tetrachloride	0.408	0.440	0.413			0.40644	4.7
1,1-Dichloropropene	0.472	0.489	0.465			0.47785	3.1
Benzene	1.092	1.112	1.075			1.13382	4.3
1,2-Dichloroethane	0.576	0.571	0.571			0.58031	5.6
Trichloroethene	0.238	0.241	0.239			0.24744	4.2
Vinyl acetate	1.362	1.348	1.293			1.36876	5.3
1,2-Dichloropropane	* 0.305	0.316	0.306			0.31925	6.7 *
Dibromomethane	0.171	0.174	0.177			0.17211	5.5
Bromodichloromethane	0.455	0.468	0.460			0.43608	7.3
cis-1,3-Dichloropropene	0.435	0.452	0.443			0.41506	8.3
4-Methyl-2-pentanone	0.219	0.225	0.182			0.21892	8
Toluene	* 0.636	0.646	0.637			0.66162	7.4 *
trans-1,3-Dichloropropene	0.393	0.394	0.379			0.37423	3.9

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 Calibration Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 738 End: 1053
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF50 =CAL6.D			RRF60 =CAL7.D			%RSD OR R^2
	RRF50	RRF60	RRF80			RRF	
1,1,2-Trichloroethane	0.181	0.179	0.180			0.17281	7.8
Tetrachloroethene	0.285	0.301	0.280			0.27936	7
1,3-Dichloropropane	0.593	0.608	0.595			0.59774	4
2-Hexanone	0.251	0.253	0.242			0.24545	6.6
Dibromochloromethane	0.352	0.371	0.363			0.34799	5.5
1,2-Dibromoethane(EDB)	0.286	0.311	0.289			0.28713	7.3
Chlorobenzene	# 0.978	1.002	0.986			1.02488	4.7 #
1,1,1,2-Tetrachloroethane	0.361	0.377	0.365			0.36472	6.9
Ethylbenzene	* 0.519	0.526	0.513			0.50566	8.2 *
p.m-Xylene	0.633	0.661	0.617			0.63533	2.9
o-Xylene	1.428	1.584	1.547			1.5839	5.6
Styrene	1.087	1.120	1.096			1.10697	5.1
Bromoform	# 0.176	0.195	0.193			0.15371	0.99845 #
Isopropylbenzene (Cumene)	3.277	3.457	3.459			3.54003	5.8
Bromobenzene	1.730	1.811	1.838			1.93341	8.9
1,1,2,2-Tetrachloroethane	# 0.653	0.680	0.688			0.66064	8.7 #
1,2,3-Trichloropropane	0.205	0.209	0.190			0.16506	0.99728
n-Propylbenzene	4.171	4.481	4.423			4.50692	4.6
2-Chlorotoluene	4.171	4.481	4.423			4.50692	4.6
4-Chlorotoluene	2.940	2.918	2.958			3.13536	6.7
1,3,5-Trimethylbenzene	2.732	2.921	2.891			2.8998	3.8
tert-Butylbenzene	1.916	1.961	2.000			1.99666	2
1,2,4-Trimethylbenzene	2.792	2.915	2.954			2.9412	4
sec-Butylbenzene	2.842	3.001	2.955			2.99136	3.9
1,3-Dichlorobenzene	1.394	1.459	1.490			1.47218	4
1,4-Dichlorobenzene	1.418	1.445	1.466			1.45009	8.7
4-Isopropyltoluene	2.298	2.437	2.327			2.39108	3.4
n-Butylbenzene	2.136	2.291	2.440			2.31459	5.6
1,2-Dichlorobenzene	1.229	1.265	1.301			1.31837	7.6
1,2-Dibromo-3-chloropropane	0.115	0.111	0.122			0.1141	8.4
1,2,4-Trichlorobenzene	0.594	0.631	0.653			0.61622	11.6
Hexachlorobutadiene	0.241	0.258	0.262			0.25451	10.8
Naphthalene	0.964	0.975	1.058			0.99709	11.8
1,2,3-Trichlorobenzene	0.431	0.448	0.497			0.47176	10.2

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 Calibration Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 738 End: 1053
 Min RRF for SPCC(#= 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID:		RRF50 =CAL6.D			RRF60 =CAL7.D			
COMPOUND		RRF50	RRF60	RRF80			RRF	%RSD OR R^2
MTBE		0.597	0.612	0.596			0.56451	6.5
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Dibromofluoromethane(SURR)		0.301	0.312	0.305			0.30605	6.9
Toluene d8(SURR)		0.899	0.930	0.914			0.91408	6.7
4-Bromofluorobenzene(SURR)		1.324	1.331	1.346			1.34129	7.3
1,2-Dichloroethane-d4(SURR)		0.057	0.059	0.056			0.05471	6.9

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS03 Calibration Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 625 End: 1022
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	<u>RRF</u>	%RSD OR R^2
	RRF1 =1PPB.D RRF5 =5PPB.D	RRF2 =2PPB.D RRF10 =10PPB.D	RRF5 =20PPB.D	RRF10	RRF20		
Dichlorodifluoromethane	0.280	0.326	0.336	0.312	0.312		
Chloromethane	# 0.618	0.511	0.456	0.417	0.434		#
Vinyl chloride	* 0.351	0.358	0.367	0.307	0.309		*
Bromomethane	0.164	0.153	0.152	0.147	0.146		
Chloroethane	0.325	0.244	0.253	0.205	0.209		
Trichlorofluoromethane	0.382	0.403	0.435	0.388	0.401		
1,1-Dichloroethene	* 0.579	0.541	0.523	0.511	0.480		*
Acrolein		0.054	0.050	0.047	0.052		
Methyl iodide	0.400	0.378	0.370	0.371	0.358		
Carbon disulfide	1.003	0.889	0.810	0.796	0.777		
Methylene chloride	1.074	0.972	0.680	0.632	0.610		
trans-1,2-Dichloroethene	0.534	0.525	0.558	0.523	0.529		
Acrylonitrile	0.138	0.131	0.135	0.142	0.141		
1,1-Dichloroethane	# 0.663	0.712	0.686	0.626	0.621		#
Acetone			0.122	0.119	0.097		
2,2-Dichloropropane	0.288	0.241	0.235	0.219	0.218		
cis-1,2-Dichloroethene	0.353	0.338	0.349	0.327	0.331		
Bromochloromethane	0.351	0.392	0.390	0.374	0.368		
2-Butanone		0.210	0.191	0.175	0.159		
Chloroform	* 0.595	0.592	0.625	0.568	0.565		*
1,1,1-Trichloroethane	0.471	0.448	0.428	0.407	0.414		
Carbon tetrachloride	0.345	0.340	0.341	0.344	0.327		
1,1-Dichloropropene	0.454	0.424	0.455	0.421	0.426		
Benzene	1.372	1.388	1.386	1.252	1.259		
1,2-Dichloroethane	0.471	0.458	0.461	0.457	0.462		
Trichloroethene	0.299	0.259	0.260	0.253	0.244		
Vinyl acetate	0.989	0.851	0.785	0.744	0.703		
1,2-Dichloropropane	* 0.404	0.386	0.390	0.366	0.374		*
Dibromomethane	0.161	0.177	0.178	0.184	0.192		
Bromodichloromethane	0.401	0.458	0.430	0.430	0.437		
cis-1,3-Dichloropropene	0.429	0.464	0.445	0.436	0.454		
4-Methyl-2-pentanone	1.236	1.141	1.029	1.108	1.005		
Toluene	* 0.804	0.828	0.800	0.776	0.782		*
trans-1,3-Dichloropropene	0.356	0.354	0.382	0.368	0.388		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS03 Calibration Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 625 End: 1022
 Min RRF for SPCC(#= 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	<u>RRF</u>	%RSD OR R^2
	RRF1 =1PPB.D RRF5 =5PPB.D	RRF2 =2PPB.D RRF10 =10PPB.D	RRF5 =20PPB.D	RRF10	RRF20		
1,1,2-Trichloroethane	0.256	0.253	0.271	0.264	0.257		
Tetrachloroethene	0.294	0.279	0.285	0.267	0.260		
1,3-Dichloropropane	0.692	0.741	0.749	0.709	0.719		
2-Hexanone	0.505	0.465	0.397	0.392	0.383		
Dibromochloromethane	0.327	0.356	0.362	0.364	0.355		
1,2-Dibromoethane(EDB)	0.353	0.357	0.374	0.369	0.363		
Chlorobenzene	# 1.283	1.221	1.250	1.178	1.161		#
1,1,1,2-Tetrachloroethane	0.338	0.347	0.363	0.341	0.343		
Ethylbenzene	* 0.642	0.663	0.677	0.630	0.613		*
p,m-Xylene	0.759	0.767	0.817	0.770	0.760		
o-Xylene	1.904	1.682	1.717	1.684	1.721		
Styrene	1.307	1.414	1.506	1.418	1.437		
Bromoform	# 0.221	0.202	0.212	0.209	0.209		#
Isopropylbenzene (Cumene)	3.719	3.719	3.767	3.617	3.650		
Bromobenzene	2.058	2.125	1.976	1.876	1.943		
1,1,2,2-Tetrachloroethane	# 1.080	1.073	1.056	1.021	1.016		#
1,2,3-Trichloropropane	0.331	0.323	0.326	0.300	0.277		
n-Propylbenzene	4.815	4.862	4.948	4.807	4.810		
2-Chlorotoluene	3.621	3.480	3.679	3.533	3.583		
4-Chlorotoluene	3.629	3.586	3.637	3.472	3.446		
1,3,5-Trimethylbenzene	3.235	3.178	3.194	3.177	3.175		
tert-Butylbenzene	2.842	2.884	2.979	2.775	2.742		
1,2,4-Trimethylbenzene	3.591	3.321	3.554	3.345	3.371		
sec-Butylbenzene	3.890	3.761	3.856	3.685	3.655		
1,3-Dichlorobenzene	1.695	1.776	1.721	1.728	1.678		
1,4-Dichlorobenzene	1.823	1.802	1.713	1.714	1.688		
4-Isopropyltoluene	2.954	3.102	2.957	3.007	2.965		
n-Butylbenzene	3.087	2.744	3.101	3.007	3.026		
1,2-Dichlorobenzene	1.593	1.651	1.632	1.617	1.613		
1,2-Dibromo-3-chloropropane		0.180	0.183	0.182	0.175		
1,2,4-Trichlorobenzene	0.831	0.695	0.809	0.821	0.832		
Hexachlorobutadiene	0.177	0.140	0.161	0.167	0.176		
Naphthalene	2.005	1.887	1.894	1.918	2.000		
1,2,3-Trichlorobenzene	0.609	0.615	0.670	0.692	0.711		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS03 Calibration Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 625 End: 1022
 Min RRF for SPCC(#= 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF5 =5PPB.D	RRF1 =1PPB.D RRF10 =10PPB.D			RRF2 =2PPB.D RRF20 =20PPB.D			%RSD OR R^2
COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	<u>RRF</u>	
MTBE	0.767	0.810	0.743	0.741	0.729		
Dibromofluoromethane(SURR)			0.253	0.250	0.269		
Toluene d8(SURR)			0.990	0.946	1.054		
4-Bromofluorobenzene(SURR)			1.213	1.200	1.328		
1,2-Dichloroethane-d4(SURR)			0.055	0.060	0.066		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS03 Calibration Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 625 End: 1022
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF50	RRF60	RRF80		<u>RRF</u>	%RSD OR R^2
Dichlorodifluoromethane	0.321	0.328	0.275		0.31132	7.2
Chloromethane	# 0.438	0.435	0.423		0.46652	14.6 #
Vinyl chloride	* 0.270	0.283	0.281		0.31564	12.1 *
Bromomethane	0.143	0.142	0.142		0.14872	5.1
Chloroethane	0.192	0.196	0.191		0.22688	0.99961
Trichlorofluoromethane	0.396	0.405	0.385		0.39937	4.2
1,1-Dichloroethene	* 0.481	0.496	0.495		0.51339	6.6 *
Acrolein	0.053	0.050	0.046		0.05029	5.5
Methyl iodide	0.353	0.361	0.371		0.37042	3.9
Carbon disulfide	0.783	0.808	0.828		0.83688	9
Methylene chloride	0.579	0.580	0.586		0.71386	0.99991
trans-1,2-Dichloroethene	0.537	0.525	0.535		0.53309	2.1
Acrylonitrile	0.133	0.139	0.143		0.13782	3
1,1-Dichloroethane	# 0.641	0.630	0.622		0.65009	5.2 #
Acetone	0.084	0.084	0.084		0.09838	0.99899
2,2-Dichloropropane	0.230	0.218	0.224		0.23413	10
cis-1,2-Dichloroethene	0.334	0.329	0.326		0.33602	3
Bromochloromethane	0.383	0.366	0.361		0.37308	3.9
2-Butanone	0.157	0.152	0.155		0.1713	12.8
Chloroform	* 0.577	0.568	0.566		0.58198	3.6 *
1,1,1-Trichloroethane	0.415	0.419	0.411		0.42642	5.2
Carbon tetrachloride	0.344	0.349	0.345		0.34187	2
1,1-Dichloropropene	0.433	0.440	0.437		0.43613	2.9
Benzene	1.299	1.302	1.329		1.32341	4.1
1,2-Dichloroethane	0.461	0.460	0.458		0.46082	1
Trichloroethene	0.250	0.249	0.253		0.25836	6.6
Vinyl acetate	0.747	0.703	0.777		0.78749	12
1,2-Dichloropropane	* 0.385	0.380	0.379		0.38282	3 *
Dibromomethane	0.183	0.182	0.181		0.17973	5
Bromodichloromethane	0.434	0.427	0.435		0.43142	3.6
cis-1,3-Dichloropropene	0.472	0.468	0.477		0.45545	3.9
4-Methyl-2-pentanone	0.930	1.200	0.959		1.07584	10.5
Toluene	* 0.794	0.773	0.805		0.79535	2.3 *
trans-1,3-Dichloropropene	0.415	0.408	0.424		0.38703	7

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS03 Calibration Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 625 End: 1022
 Min RRF for SPCC(#= 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF50 =50PPB.D			RRF60 =60PPB.D			%RSD OR R^2
	RRF50	RRF60	RRF80			RRF	
1,1,2-Trichloroethane	0.254	0.252	0.256			0.25787	2.5
Tetrachloroethene	0.268	0.273	0.267			0.27428	4.1
1,3-Dichloropropane	0.729	0.723	0.710			0.72146	2.6
2-Hexanone	0.368	0.366	0.358			0.40415	13
Dibromochloromethane	0.375	0.378	0.368			0.3606	4.4
1,2-Dibromoethane(EDB)	0.378	0.378	0.371			0.36784	2.5
Chlorobenzene	# 1.165	1.170	1.151			1.19735	4 #
1,1,1,2-Tetrachloroethane	0.351	0.351	0.346			0.34736	2.3
Ethylbenzene	* 0.630	0.626	0.613			0.63678	3.6 *
p.m-Xylene	0.778	0.771	0.766			0.77339	2.4
o-Xylene	1.731	1.771	1.722			1.74152	4.1
Styrene	1.467	1.424	1.459			1.42895	4.1
Bromoform	# 0.219	0.182	0.212			0.2082	5.8 #
Isopropylbenzene (Cumene)	3.535	3.719	3.642			3.67101	2
Bromobenzene	1.830	1.877	1.857			1.94283	5.4
1,1,2,2-Tetrachloroethane	# 0.974	0.925	0.967			1.01391	5.4 #
1,2,3-Trichloropropane	0.275	0.288	0.273			0.29904	8.2
n-Propylbenzene	4.719	4.945	4.933			4.85478	1.7
2-Chlorotoluene	3.334	3.625	3.410			3.53305	3.3
4-Chlorotoluene	3.225	3.473	3.325			3.4742	4.2
1,3,5-Trimethylbenzene	3.088	3.311	3.206			3.19556	2
tert-Butylbenzene	2.697	2.854	2.835			2.82586	3.1
1,2,4-Trimethylbenzene	3.269	3.427	3.372			3.40619	3.3
sec-Butylbenzene	3.543	3.727	3.750			3.73344	3
1,3-Dichlorobenzene	1.605	1.670	1.655			1.69093	3.1
1,4-Dichlorobenzene	1.648	1.694	1.719			1.72503	3.4
4-Isopropyltoluene	2.948	3.148	3.136			3.02724	2.9
n-Butylbenzene	2.968	3.083	3.155			3.02148	4.2
1,2-Dichlorobenzene	1.516	1.597	1.608			1.60326	2.5
1,2-Dibromo-3-chloropropane	0.179	0.195	0.175			0.18134	3.6
1,2,4-Trichlorobenzene	0.825	1.068	0.879			0.84492	12.3
Hexachlorobutadiene	0.155	0.217	0.170			0.17031	13.1
Naphthalene	2.094	2.722	2.194			2.08929	13.2
1,2,3-Trichlorobenzene	0.720	0.932	0.746			0.71184	14.2

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS03 Calibration Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 625 End: 1022
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF80 =80PPBR.D		RRF60 =60PPB.D					%RSD OR R^2
COMPOUND	RRF50	RRF60	RRF80			RRF	
MTBE	0.711	0.665	0.584			0.71886	9.5
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Dibromofluoromethane(SURR)	0.265	0.265	0.269			0.26171	3.2
Toluene d8(SURR)	1.051	1.049	1.067			1.02611	4.6
4-Bromofluorobenzene(SURR)	1.249	1.282	1.255			1.25451	3.7
1,2-Dichloroethane-d4(SURR)	0.064	0.065	0.064			0.06249	6.7

7SSC
VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS03 CalibrationDate: 05/12/08 Time: 1047
 CCV ID: SSC603131 Lab File ID: SEC32.D Init. Calib. Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Dichlorodifluoromethane	0.31132	0.28674	7.9	AVRG
Chloromethane	# 0.46652	0.42354	9.2	AVRG #
Vinyl chloride	* 0.31564	0.27976	11.4	AVRG *
Bromomethane	0.14872	0.14286	3.9	AVRG
Chloroethane	50	48.9	2.2	2ORD
Trichlorofluoromethane	0.39937	0.37958	5.0	AVRG
1,1-Dichloroethene	* 0.51339	0.48561	5.4	AVRG *
Acrolein	0.05029	0.04494	10.6	AVRG
Methyl iodide	0.37042	0.3675	0.8	AVRG
Carbon disulfide	0.83688	0.80105	4.3	AVRG
Methylene chloride	50	48	4.0	2ORD
trans-1,2-Dichloroethene	0.53309	0.52855	0.9	AVRG
Acrylonitrile	0.13782	0.13631	1.1	AVRG
1,1-Dichloroethane	# 0.65009	0.6279	3.4	AVRG #
Acetone	80	80.5	0.6	2ORD
2,2-Dichloropropane	0.23413	0.2133	8.9	AVRG
cis-1,2-Dichloroethene	0.33602	0.33488	0.3	AVRG
Bromoform	0.37308	0.3695	1.0	AVRG
2-Butanone	0.1713	0.15594	9.0	AVRG
Chloroform	* 0.58198	0.57046	2.0	AVRG *
1,1,1-Trichloroethane	0.42642	0.4134	3.1	AVRG
Carbon tetrachloride	0.34187	0.33372	2.4	AVRG
1,1-Dichloropropene	0.43613	0.44388	1.8	AVRG
Benzene	1.32341	1.327	0.3	AVRG
1,2-Dichloroethane	0.46082	0.44835	2.7	AVRG
Trichloroethene	0.25836	0.25064	3.0	AVRG
Vinyl acetate	0.78749	0.78083	0.8	AVRG
1,2-Dichloropropane	* 0.38282	0.37529	2.0	AVRG *
Dibromomethane	0.17973	0.18183	1.2	AVRG
Bromodichloromethane	0.43142	0.42711	1.0	AVRG
cis-1,3-Dichloropropene	0.45545	0.46045	1.1	AVRG
4-Methyl-2-pentanone	1.07584	0.95734	11.0	AVRG
Toluene	* 0.79535	0.7897	0.7	AVRG *
trans-1,3-Dichloropropene	0.38703	0.40801	5.4	AVRG
1,1,2-Trichloroethane	0.25787	0.25067	2.8	AVRG
Tetrachloroethene	0.27428	0.26391	3.8	AVRG

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VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS03 Calibration Date: 05/12/08 Time: 1047
 CCV ID: SSC603131 Lab File ID: SEC32.D Init. Calib. Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,3-Dichloropropane	0.72146	0.70457	2.3	AVRG
2-Hexanone	0.40415	0.35324	12.6	AVRG
Dibromochloromethane	0.3606	0.36147	0.2	AVRG
1,2-Dibromoethane(EDB)	0.36784	0.36864	0.2	AVRG
Chlorobenzene	# 1.19735	1.155	3.5	AVRG #
1,1,1,2-Tetrachloroethane	0.34736	0.32754	5.7	AVRG
Ethylbenzene	* 0.63678	0.61513	3.4	AVRG *
p,m-Xylene	0.77339	0.76739	0.8	AVRG
o-Xylene	1.74152	1.733	0.5	AVRG
Styrene	1.42895	1.449	1.4	AVRG
Bromoform	# 0.2082	0.20412	2.0	AVRG #
Isopropylbenzene (Cumene)	3.67101	3.633	1.0	AVRG
Bromobenzene	1.94283	1.861	4.2	AVRG
1,1,2,2-Tetrachloroethane	# 1.01391	0.94687	6.6	AVRG #
1,2,3-Trichloropropane	0.29904	0.27951	6.5	AVRG
n-Propylbenzene	4.85478	4.871	0.3	AVRG
2-Chlorotoluene	3.53305	3.419	3.2	AVRG
4-Chlorotoluene	3.4742	3.335	4.0	AVRG
1,3,5-Trimethylbenzene	3.19556	3.172	0.7	AVRG
tert-Butylbenzene	2.82586	2.729	3.4	AVRG
1,2,4-Trimethylbenzene	3.40619	3.309	2.9	AVRG
sec-Butylbenzene	3.73344	3.634	2.7	AVRG
1,3-Dichlorobenzene	1.69093	1.623	4.0	AVRG
1,4-Dichlorobenzene	1.72503	1.668	3.3	AVRG
4-Isopropyltoluene	3.02724	3.018	0.3	AVRG
n-Butylbenzene	3.02148	3.028	0.2	AVRG
1,2-Dichlorobenzene	1.60326	1.592	0.7	AVRG
1,2-Dibromo-3-chloropropane	0.18134	0.17275	4.7	AVRG
1,2,4-Trichlorobenzene	0.84492	0.84499	0.0	AVRG
Hexachlorobutadiene	0.17031	0.16964	0.4	AVRG
Naphthalene	2.08929	2.246	7.5	AVRG
1,2,3-Trichlorobenzene	0.71184	0.76034	6.8	AVRG
MTBE	0.71886	0.69045	4.0	AVRG
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Dibromofluoromethane(SURR)	0.26171	0.27206	4.0	AVRG
Toluene d8(SURR)	1.02611	1.087	5.9	AVRG

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VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS03 CalibrationDate: 05/12/08 Time: 1047
 CCV ID: SSC603131 Lab File ID: SEC32.D Init. Calib. Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
4-Bromofluorobenzene(SURR)	1.25451	1.291	2.9	AVRG
1,2-Dichloroethane-d4(SURR)	0.06249	0.06448	3.2	AVRG

7SSC
VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 CalibrationDate: 05/20/08 Time: 1122
 CCV ID: SSC606270 Lab File ID: SEC21.D Init. Calib. Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Dichlorodifluoromethane	0.41387	0.40555	2.0	AVRG
Chloromethane	# 50	49.5	1.0	2ORD #
Vinyl chloride	* 0.3664	0.36401	0.7	AVRG *
Bromomethane	0.24267	0.26325	8.5	AVRG
Chloroethane	50	51	2.0	2ORD
Trichlorofluoromethane	0.59288	0.60791	2.5	AVRG
1,1-Dichloroethene	* 0.61673	0.60144	2.5	AVRG *
Acrolein	0.03304	0.03505	6.1	AVRG
Methyl iodide	0.42801	0.44141	3.1	AVRG
Carbon disulfide	0.71951	0.69487	3.4	AVRG
Methylene chloride	50	53.1	6.2	2ORD
trans-1,2-Dichloroethene	0.57919	0.56874	1.8	AVRG
Acrylonitrile	80	82.8	3.5	2ORD
1,1-Dichloroethane	# 0.63874	0.62422	2.3	AVRG #
Acetone	80	86.7	8.4	2ORD
2,2-Dichloropropane	0.58643	0.52705	10.1	AVRG
cis-1,2-Dichloroethene	0.30734	0.31632	2.9	AVRG
Bromochloromethane	0.33744	0.3427	1.6	AVRG
2-Butanone	0.10646	0.10557	0.8	AVRG
Chloroform	* 0.66478	0.67314	1.3	AVRG *
1,1,1-Trichloroethane	0.51922	0.53361	2.8	AVRG
Carbon tetrachloride	0.40644	0.42016	3.4	AVRG
1,1-Dichloropropene	0.47785	0.48244	1.0	AVRG
Benzene	1.13382	1.108	2.3	AVRG
1,2-Dichloroethane	0.58031	0.58425	0.7	AVRG
Trichloroethene	0.24744	0.24085	2.7	AVRG
Vinyl acetate	1.36876	1.351	1.3	AVRG
1,2-Dichloropropane	* 0.31925	0.30754	3.7	AVRG *
Dibromomethane	0.17211	0.18081	5.1	AVRG
Bromodichloromethane	0.43608	0.45578	4.5	AVRG
cis-1,3-Dichloropropene	0.41506	0.43582	5.0	AVRG
4-Methyl-2-pentanone	0.21892	0.23234	6.1	AVRG
Toluene	* 0.66162	0.64698	2.2	AVRG *
trans-1,3-Dichloropropene	0.37423	0.39762	6.3	AVRG
1,1,2-Trichloroethane	0.17281	0.18213	5.4	AVRG
Tetrachloroethene	0.27936	0.291	4.2	AVRG

7SSC
VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 CalibrationDate: 05/20/08 Time: 1122
 CCV ID: SSC606270 Lab File ID: SEC21.D Init. Calib. Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,3-Dichloropropane	0.59774	0.60677	1.5	AVRG
2-Hexanone	0.24545	0.25061	2.1	AVRG
Dibromochloromethane	0.34799	0.3695	6.2	AVRG
1,2-Dibromoethane(EDB)	0.28713	0.30331	5.6	AVRG
Chlorobenzene	# 1.02488	0.99314	3.1	AVRG #
1,1,1,2-Tetrachloroethane	0.36472	0.35981	1.3	AVRG
Ethylbenzene	* 0.50566	0.52712	4.2	AVRG *
p,m-Xylene	0.63533	0.63929	0.6	AVRG
o-Xylene	1.5839	1.585	0.1	AVRG
Styrene	1.10697	1.099	0.7	AVRG
Bromoform	# 50	49.8	0.4	2ORD #
Isopropylbenzene (Cumene)	3.54003	3.542	0.1	AVRG
Bromobenzene	1.93341	1.827	5.5	AVRG
1,1,2,2-Tetrachloroethane	# 0.66064	0.69784	5.6	AVRG #
1,2,3-Trichloropropane	50	46	8.0	2ORD
n-Propylbenzene	4.50692	4.512	0.1	AVRG
2-Chlorotoluene	4.50692	4.512	0.1	AVRG
4-Chlorotoluene	3.13536	3.031	3.3	AVRG
1,3,5-Trimethylbenzene	2.8998	2.936	1.2	AVRG
tert-Butylbenzene	1.99666	2.009	0.6	AVRG
1,2,4-Trimethylbenzene	2.9412	2.999	2.0	AVRG
sec-Butylbenzene	2.99136	3.104	3.8	AVRG
1,3-Dichlorobenzene	1.47218	1.51	2.6	AVRG
1,4-Dichlorobenzene	1.45009	1.547	6.7	AVRG
4-Isopropyltoluene	2.39108	2.464	3.0	AVRG
n-Butylbenzene	2.31459	2.345	1.3	AVRG
1,2-Dichlorobenzene	1.31837	1.32	0.1	AVRG
1,2-Dibromo-3-chloropropane	0.1141	0.1149	0.7	AVRG
1,2,4-Trichlorobenzene	0.61622	0.71106	15.4	AVRG
Hexachlorobutadiene	0.25451	0.27043	6.3	AVRG
Naphthalene	0.99709	1.224	22.8	AVRG
1,2,3-Trichlorobenzene	0.47176	0.55449	17.5	AVRG
MTBE	0.56451	0.54612	3.3	AVRG
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Dibromofluoromethane(SURR)	0.30605	0.28868	5.7	AVRG
Toluene d8(SURR)	0.91408	0.86823	5.0	AVRG

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7SSC
VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 CalibrationDate: 05/20/08 Time: 1122
 CCV ID: SSC606270 Lab File ID: SEC21.D Init. Calib. Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
4-Bromofluorobenzene(SURR)	1.34129	1.231	8.2	AVRG
1,2-Dichloroethane-d4(SURR)	0.05471	0.05149	5.9	AVRG

Average Used: 3.9

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2509330
 Instrument ID: VMS03 Calibration Date: 05/22/08 Time: 0548
 CCV ID: CCV606763 Lab File ID: 50CCV32.D Init. Calib. Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Dichlorodifluoromethane	0.31132	0.31992	2.8	AVRG
Chloromethane	# 0.46652	0.47272	1.3	AVRG #
Vinyl chloride	* 0.31564	0.26299	16.7	AVRG *
Bromomethane	0.14872	0.17657	18.7	AVRG
Chloroethane	50	56.5	13.0	2ORD
Trichlorofluoromethane	0.39937	0.36685	8.1	AVRG
1,1-Dichloroethene	* 0.51339	0.51784	0.9	AVRG *
Acrolein	0.05029	0.04672	7.1	AVRG
Methyl iodide	0.37042	0.30409	17.9	AVRG
Carbon disulfide	0.83688	0.78043	6.7	AVRG
Methylene chloride	50	47.6	4.8	2ORD
trans-1,2-Dichloroethene	0.53309	0.48699	8.6	AVRG
Acrylonitrile	0.13782	0.13682	0.7	AVRG
1,1-Dichloroethane	# 0.65009	0.60421	7.1	AVRG #
Acetone	100	95.8	4.2	2ORD
2,2-Dichloropropane	0.23413	0.23455	0.2	AVRG
cis-1,2-Dichloroethene	0.33602	0.31979	4.8	AVRG
Bromochloromethane	0.37308	0.35613	4.5	AVRG
2-Butanone	0.1713	0.15905	7.2	AVRG
Chloroform	* 0.58198	0.54882	5.7	AVRG *
1,1,1-Trichloroethane	0.42642	0.39431	7.5	AVRG
Carbon tetrachloride	0.34187	0.30507	10.8	AVRG
1,1-Dichloropropene	0.43613	0.41549	4.7	AVRG
Benzene	1.32341	1.242	6.2	AVRG
1,2-Dichloroethane	0.46082	0.45088	2.2	AVRG
Trichloroethene	0.25836	0.24112	6.7	AVRG
Vinyl acetate	0.78749	0.73621	6.5	AVRG
1,2-Dichloropropane	* 0.38282	0.37378	2.4	AVRG *
Dibromomethane	0.17973	0.17711	1.5	AVRG
Bromodichloromethane	0.43142	0.41329	4.2	AVRG
cis-1,3-Dichloropropene	0.45545	0.44228	2.9	AVRG
4-Methyl-2-pentanone	1.07584	0.958	11.0	AVRG
Toluene	* 0.79535	0.75663	4.9	AVRG *
trans-1,3-Dichloropropene	0.38703	0.40117	3.7	AVRG
1,1,2-Trichloroethane	0.25787	0.24419	5.3	AVRG
Tetrachloroethene	0.27428	0.25965	5.3	AVRG

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2509330
 Instrument ID: VMS03 Calibration Date: 05/22/08 Time: 0548
 CCV ID: CCV606763 Lab File ID: 50CCV32.D Init. Calib. Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,3-Dichloropropane	0.72146	0.69462	3.7	AVRG
2-Hexanone	0.40415	0.34879	13.7	AVRG
Dibromochloromethane	0.3606	0.34342	4.8	AVRG
1,2-Dibromoethane(EDB)	0.36784	0.35072	4.7	AVRG
Chlorobenzene	# 1.19735	1.128	5.8	AVRG #
1,1,1,2-Tetrachloroethane	0.34736	0.33335	4.0	AVRG
Ethylbenzene	* 0.63678	0.59816	6.1	AVRG *
p,m-Xylene	0.77339	0.73864	4.5	AVRG
o-Xylene	1.74152	1.749	0.4	AVRG
Styrene	1.42895	1.398	2.2	AVRG
Bromoform	# 0.2082	0.1879	9.8	AVRG #
Isopropylbenzene (Cumene)	3.67101	3.688	0.5	AVRG
Bromobenzene	1.94283	1.901	2.2	AVRG
1,1,2,2-Tetrachloroethane	# 1.01391	0.92648	8.6	AVRG #
1,2,3-Trichloropropane	0.29904	0.26488	11.4	AVRG
n-Propylbenzene	4.85478	4.824	0.6	AVRG
2-Chlorotoluene	3.53305	3.587	1.5	AVRG
4-Chlorotoluene	3.4742	3.396	2.3	AVRG
1,3,5-Trimethylbenzene	3.19556	3.219	0.7	AVRG
tert-Butylbenzene	2.82586	2.81	0.6	AVRG
1,2,4-Trimethylbenzene	3.40619	3.385	0.6	AVRG
sec-Butylbenzene	3.73344	3.691	1.1	AVRG
1,3-Dichlorobenzene	1.69093	1.663	1.7	AVRG
1,4-Dichlorobenzene	1.72503	1.683	2.4	AVRG
4-Isopropyltoluene	3.02724	3.067	1.3	AVRG
n-Butylbenzene	3.02148	3.024	0.1	AVRG
1,2-Dichlorobenzene	1.60326	1.523	5.0	AVRG
1,2-Dibromo-3-chloropropane	0.18134	0.15736	13.2	AVRG
1,2,4-Trichlorobenzene	0.84492	0.82967	1.8	AVRG
Hexachlorobutadiene	0.17031	0.16952	0.5	AVRG
Naphthalene	2.08929	1.959	6.2	AVRG
1,2,3-Trichlorobenzene	0.71184	0.69366	2.6	AVRG
MTBE	0.71886	0.72956	1.5	AVRG
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Dibromofluoromethane(SURR)	0.26171	0.2572	1.7	AVRG
Toluene d8(SURR)	1.02611	1.024	0.2	AVRG

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS03 CalibrationDate: 05/22/08 Time: 0548
 CCV ID: CCV606763 Lab File ID: 50CCV32.D Init. Calib. Date Begin: 05/12/08 End: 05/12/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
4-Bromofluorobenzene(SURR)	1.25451	1.263	0.7	AVRG
1,2-Dichloroethane-d4(SURR)	0.06249	0.0606	3.0	AVRG

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VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 CalibrationDate: 05/22/08 Time: 1235
 CCV ID: SSC607558 Lab File ID: SEC12.D Init. Calib. Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Dichlorodifluoromethane	0.48175	0.40938	15.0	AVRG
Chloromethane	# 0.53965	0.49181	8.9	AVRG #
Vinyl chloride	* 0.52297	0.51292	1.9	AVRG *
Bromomethane	50	43.8	12.4	2ORD
Chloroethane	50	46.1	7.8	2ORD
Trichlorofluoromethane	0.49591	0.45967	7.3	AVRG
1,1-Dichloroethene	* 0.58471	0.50045	14.4	AVRG *
Acrolein	0.04711	0.04234	10.1	AVRG
Methyl iodide	0.78547	0.70792	9.9	AVRG
Carbon disulfide	0.99289	0.89962	9.4	AVRG
Methylene chloride	50	43	14.0	2ORD
trans-1,2-Dichloroethene	0.5845	0.54651	6.5	AVRG
Acrylonitrile	0.12634	0.1379	9.1	AVRG
1,1-Dichloroethane	# 0.70721	0.64734	8.5	AVRG #
Acetone	80	81.2	1.5	2ORD
2,2-Dichloropropane	0.35668	0.32218	9.7	AVRG
cis-1,2-Dichloroethene	0.56839	0.51018	10.2	AVRG
Bromochloromethane	0.2601	0.24376	6.3	AVRG
2-Butanone	0.15569	0.15693	0.8	AVRG
Chloroform	* 0.75716	0.67793	10.5	AVRG *
1,1,1-Trichloroethane	0.49901	0.43153	13.5	AVRG
Carbon tetrachloride	50	41.6	16.8	2ORD
1,1-Dichloropropene	0.58076	0.52375	9.8	AVRG
Benzene	1.79522	1.586	11.7	AVRG
1,2-Dichloroethane	0.51322	0.47594	7.3	AVRG
Trichloroethene	0.47901	0.4331	9.6	AVRG
Vinyl acetate	0.57425	0.55133	4.0	AVRG
1,2-Dichloropropane	* 0.43725	0.39271	10.2	AVRG *
Dibromomethane	0.32314	0.2997	7.3	AVRG
Bromodichloromethane	0.56458	0.54716	3.1	AVRG
cis-1,3-Dichloropropene	0.67805	0.65883	2.8	AVRG
4-Methyl-2-pentanone	0.7275	0.79858	9.8	AVRG
Toluene	* 1.22218	1.092	10.7	AVRG *
trans-1,3-Dichloropropene	50	44.5	11.0	2ORD
1,1,2-Trichloroethane	0.418	0.39877	4.6	AVRG
Tetrachloroethene	0.42024	0.37291	11.3	AVRG

7SSC
VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 CalibrationDate: 05/22/08 Time: 1235
 CCV ID: SSC607558 Lab File ID: SEC12.D Init. Calib. Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,3-Dichloropropane	0.79812	0.74893	6.2	AVRG
2-Hexanone	0.26335	0.30417	15.5	AVRG
Dibromochloromethane	0.52056	0.49103	5.7	AVRG
1,2-Dibromoethane(EDB)	0.49882	0.48969	1.8	AVRG
Chlorobenzene	# 1.46719	1.335	9.0	AVRG #
1,1,1,2-Tetrachloroethane	0.48044	0.43535	9.4	AVRG
Ethylbenzene	* 0.76459	0.69599	9.0	AVRG *
p,m-Xylene	0.95482	0.85645	10.3	AVRG
o-Xylene	1.91051	1.722	9.9	AVRG
Styrene	1.62086	1.527	5.8	AVRG
Bromoform	# 50	44.9	10.2	2ORD #
Isopropylbenzene (Cumene)	4.73098	4.211	11.0	AVRG
Bromobenzene	1.82025	1.654	9.1	AVRG
1,1,2,2-Tetrachloroethane	# 1.28465	1.209	5.9	AVRG #
1,2,3-Trichloropropane	0.3449	0.32135	6.8	AVRG
n-Propylbenzene	5.77397	5.295	8.3	AVRG
2-Chlorotoluene	3.56113	2.707	24.0	AVRG
4-Chlorotoluene	3.84556	3.432	10.8	AVRG
1,3,5-Trimethylbenzene	3.81365	3.468	9.1	AVRG
tert-Butylbenzene	3.12473	2.797	10.5	AVRG
1,2,4-Trimethylbenzene	3.84742	3.545	7.9	AVRG
sec-Butylbenzene	4.99505	4.56	8.7	AVRG
1,3-Dichlorobenzene	2.24724	2.011	10.5	AVRG
1,4-Dichlorobenzene	2.24769	2.096	6.7	AVRG
4-Isopropyltoluene	3.8238	3.522	7.9	AVRG
n-Butylbenzene	3.59436	3.355	6.7	AVRG
1,2-Dichlorobenzene	2.06989	1.837	11.3	AVRG
1,2-Dibromo-3-chloropropane	0.20084	0.19576	2.5	AVRG
1,2,4-Trichlorobenzene	1.21601	1.118	8.1	AVRG
Hexachlorobutadiene	0.37026	0.30506	17.6	AVRG
Naphthalene	2.6129	2.432	6.9	AVRG
1,2,3-Trichlorobenzene	1.13955	1.005	11.8	AVRG
MTBE	1.10312	1.058	4.1	AVRG
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Dibromofluoromethane(SURR)	0.42086	0.4384	4.2	AVRG
Toluene d8(SURR)	1.53987	1.55	0.7	AVRG

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VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 CalibrationDate: 05/22/08 Time: 1235
 CCV ID: SSC607558 Lab File ID: SEC12.D Init. Calib. Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
4-Bromofluorobenzene(SURR)	1.31592	1.337	1.6	AVRG
1,2-Dichloroethane-d4(SURR)	0.10488	0.1185	13.0	AVRG

Average Used: 8.7

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 CalibrationDate: 05/22/08 Time: 1329
 CCV ID: CCV607537 Lab File ID: 50CCV13.D Init. Calib. Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Dichlorodifluoromethane	0.48175	0.39002	19.0	AVRG
Chloromethane	# 0.53965	0.51752	4.1	AVRG #
Vinyl chloride	* 0.52297	0.51071	2.3	AVRG *
Bromomethane	50	49.4	1.2	2ORD
Chloroethane	50	44.2	11.6	2ORD
Trichlorofluoromethane	0.49591	0.45005	9.2	AVRG
1,1-Dichloroethene	* 0.58471	0.56905	2.7	AVRG *
Acrolein	0.04711	0.04111	12.7	AVRG
Methyl iodide	0.78547	0.74848	4.7	AVRG
Carbon disulfide	0.99289	0.95124	4.2	AVRG
Methylene chloride	50	47.9	4.2	2ORD
trans-1,2-Dichloroethene	0.5845	0.56214	3.8	AVRG
Acrylonitrile	0.12634	0.13399	6.1	AVRG
1,1-Dichloroethane	# 0.70721	0.70375	0.5	AVRG #
Acetone	100	93.1	6.9	2ORD
2,2-Dichloropropane	0.35668	0.32036	10.2	AVRG
cis-1,2-Dichloroethene	0.56839	0.53214	6.4	AVRG
Bromoform	0.2601	0.25271	2.8	AVRG
2-Butanone	0.15569	0.14926	4.1	AVRG
Chloroform	* 0.75716	0.72416	4.4	AVRG *
1,1,1-Trichloroethane	0.49901	0.45915	8.0	AVRG
Carbon tetrachloride	50	42.2	15.6	2ORD
1,1-Dichloropropene	0.58076	0.5572	4.1	AVRG
Benzene	1.79522	1.713	4.6	AVRG
1,2-Dichloroethane	0.51322	0.49935	2.7	AVRG
Trichloroethene	0.47901	0.42878	10.5	AVRG
Vinyl acetate	0.57425	0.53882	6.2	AVRG
1,2-Dichloropropane	* 0.43725	0.41768	4.5	AVRG *
Dibromomethane	0.32314	0.29831	7.7	AVRG
Bromodichloromethane	0.56458	0.56209	0.4	AVRG
cis-1,3-Dichloropropene	0.67805	0.69829	3.0	AVRG
4-Methyl-2-pentanone	0.7275	0.7562	3.9	AVRG
Toluene	* 1.22218	1.142	6.6	AVRG *
trans-1,3-Dichloropropene	50	46.4	7.2	2ORD
1,1,2-Trichloroethane	0.418	0.42261	1.1	AVRG
Tetrachloroethene	0.42024	0.38286	8.9	AVRG

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2509330
 Instrument ID: VMS01 Calibration Date: 05/22/08 Time: 1329
 CCV ID: CCV607537 Lab File ID: 50CCV13.D Init. Calib. Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,3-Dichloropropane	0.79812	0.79731	0.1	AVRG
2-Hexanone	0.26335	0.27351	3.9	AVRG
Dibromochloromethane	0.52056	0.51079	1.9	AVRG
1,2-Dibromoethane(EDB)	0.49882	0.50836	1.9	AVRG
Chlorobenzene	# 1.46719	1.388	5.4	AVRG #
1,1,1,2-Tetrachloroethane	0.48044	0.45186	5.9	AVRG
Ethylbenzene	* 0.76459	0.74634	2.4	AVRG *
p,m-Xylene	0.95482	0.90412	5.3	AVRG
o-Xylene	1.91051	1.813	5.1	AVRG
Styrene	1.62086	1.609	0.7	AVRG
Bromoform	# 50	46.2	7.6	2ORD #
Isopropylbenzene (Cumene)	4.73098	4.554	3.7	AVRG
Bromobenzene	1.82025	1.796	1.3	AVRG
1,1,2,2-Tetrachloroethane	# 1.28465	1.291	0.5	AVRG #
1,2,3-Trichloropropane	0.3449	0.32052	7.1	AVRG
n-Propylbenzene	5.77397	5.67	1.8	AVRG
2-Chlorotoluene	3.56113	3.52	1.2	AVRG
4-Chlorotoluene	3.84556	3.725	3.1	AVRG
1,3,5-Trimethylbenzene	3.81365	3.686	3.3	AVRG
tert-Butylbenzene	3.12473	3.029	3.1	AVRG
1,2,4-Trimethylbenzene	3.84742	3.767	2.1	AVRG
sec-Butylbenzene	4.99505	4.823	3.4	AVRG
1,3-Dichlorobenzene	2.24724	2.157	4.0	AVRG
1,4-Dichlorobenzene	2.24769	2.168	3.5	AVRG
4-Isopropyltoluene	3.8238	3.784	1.0	AVRG
n-Butylbenzene	3.59436	3.591	0.1	AVRG
1,2-Dichlorobenzene	2.06989	1.945	6.0	AVRG
1,2-Dibromo-3-chloropropane	0.20084	0.19429	3.3	AVRG
1,2,4-Trichlorobenzene	1.21601	1.134	6.7	AVRG
Hexachlorobutadiene	0.37026	0.31087	16.0	AVRG
Naphthalene	2.6129	2.392	8.5	AVRG
1,2,3-Trichlorobenzene	1.13955	1.004	11.9	AVRG
MTBE	1.10312	1.033	6.4	AVRG
<hr/>				
Dibromofluoromethane(SURR)	0.42086	0.41515	1.4	AVRG
Toluene d8(SURR)	1.53987	1.448	6.0	AVRG

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS01 CalibrationDate: 05/22/08 Time: 1329
 CCV ID: CCV607537 Lab File ID: 50CCV13.D Init. Calib. Date Begin: 05/22/08 End: 05/22/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
4-Bromofluorobenzene(SURR)	1.31592	1.336	1.5	AVRG
1,2-Dichloroethane-d4(SURR)	0.10488	0.11079	5.6	AVRG

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 CalibrationDate: 05/28/08 Time: 1012
 CCV ID: CCV608175 Lab File ID: 50CCV22.D Init. Calib. Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Dichlorodifluoromethane	0.41387	0.44278	7.0	AVRG
Chloromethane	# 50	53.7	7.4	2ORD #
Vinyl chloride	* 0.3664	0.38696	5.6	AVRG *
Bromomethane	0.24267	0.25643	5.7	AVRG
Chloroethane	50	51.2	2.4	2ORD
Trichlorofluoromethane	0.59288	0.57802	2.5	AVRG
1,1-Dichloroethene	* 0.61673	0.58686	4.8	AVRG *
Acrolein	0.03304	0.03021	8.6	AVRG
Methyl iodide	0.42801	0.41909	2.1	AVRG
Carbon disulfide	0.71951	0.69761	3.0	AVRG
Methylene chloride	50	50.3	0.6	2ORD
trans-1,2-Dichloroethene	0.57919	0.55976	3.4	AVRG
Acrylonitrile	100	98.4	1.6	2ORD
1,1-Dichloroethane	# 0.63874	0.61539	3.7	AVRG #
Acetone	100	85	15.0	2ORD
2,2-Dichloropropane	0.58643	0.54211	7.6	AVRG
cis-1,2-Dichloroethene	0.30734	0.31058	1.1	AVRG
Bromochloromethane	0.33744	0.32509	3.7	AVRG
2-Butanone	0.10646	0.09341	12.3	AVRG
Chloroform	* 0.66478	0.64734	2.6	AVRG *
1,1,1-Trichloroethane	0.51922	0.50667	2.4	AVRG
Carbon tetrachloride	0.40644	0.40815	0.4	AVRG
1,1-Dichloropropene	0.47785	0.46805	2.1	AVRG
Benzene	1.13382	1.107	2.4	AVRG
1,2-Dichloroethane	0.58031	0.53661	7.5	AVRG
Trichloroethene	0.24744	0.23965	3.1	AVRG
Vinyl acetate	1.36876	1.235	9.8	AVRG
1,2-Dichloropropane	* 0.31925	0.31617	1.0	AVRG *
Dibromomethane	0.17211	0.16555	3.8	AVRG
Bromodichloromethane	0.43608	0.44278	1.5	AVRG
cis-1,3-Dichloropropene	0.41506	0.43292	4.3	AVRG
4-Methyl-2-pentanone	0.21892	0.21227	3.0	AVRG
Toluene	* 0.66162	0.65196	1.5	AVRG *
trans-1,3-Dichloropropene	0.37423	0.38078	1.8	AVRG
1,1,2-Trichloroethane	0.17281	0.16982	1.7	AVRG
Tetrachloroethene	0.27936	0.26886	3.8	AVRG

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 CalibrationDate: 05/28/08 Time: 1012
 CCV ID: CCV608175 Lab File ID: 50CCV22.D Init. Calib. Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1,3-Dichloropropane	0.59774	0.57716	3.4	AVRG
2-Hexanone	0.24545	0.22444	8.6	AVRG
Dibromochloromethane	0.34799	0.33953	2.4	AVRG
1,2-Dibromoethane(EDB)	0.28713	0.28125	2.0	AVRG
Chlorobenzene	# 1.02488	0.94588	7.7	AVRG #
1,1,1,2-Tetrachloroethane	0.36472	0.32776	10.1	AVRG
Ethylbenzene	* 0.50566	0.50449	0.2	AVRG *
p,m-Xylene	0.63533	0.61022	4.0	AVRG
o-Xylene	1.5839	1.534	3.2	AVRG
Styrene	1.10697	1.042	5.9	AVRG
Bromoform	# 50	44.4	11.2	2ORD #
Isopropylbenzene (Cumene)	3.54003	3.424	3.3	AVRG
Bromobenzene	1.93341	1.701	12.0	AVRG
1,1,2,2-Tetrachloroethane	# 0.66064	0.66073	0.0	AVRG #
1,2,3-Trichloropropane	50	43.2	13.6	2ORD
n-Propylbenzene	4.50692	4.356	3.3	AVRG
2-Chlorotoluene	4.50692	4.356	3.3	AVRG
4-Chlorotoluene	3.13536	2.835	9.6	AVRG
1,3,5-Trimethylbenzene	2.8998	2.793	3.7	AVRG
tert-Butylbenzene	1.99666	1.938	2.9	AVRG
1,2,4-Trimethylbenzene	2.9412	2.893	1.6	AVRG
sec-Butylbenzene	2.99136	2.978	0.4	AVRG
1,3-Dichlorobenzene	1.47218	1.412	4.1	AVRG
1,4-Dichlorobenzene	1.45009	1.423	1.9	AVRG
4-Isopropyltoluene	2.39108	2.393	0.1	AVRG
n-Butylbenzene	2.31459	2.354	1.7	AVRG
1,2-Dichlorobenzene	1.31837	1.221	7.4	AVRG
1,2-Dibromo-3-chloropropane	0.1141	0.11158	2.2	AVRG
1,2,4-Trichlorobenzene	0.61622	0.62165	0.9	AVRG
Hexachlorobutadiene	0.25451	0.23805	6.5	AVRG
Naphthalene	0.99709	0.969	2.8	AVRG
1,2,3-Trichlorobenzene	0.47176	0.45461	3.6	AVRG
MTBE	0.56451	0.55722	1.3	AVRG
<hr/>				
Dibromofluoromethane(SURR)	0.30605	0.28404	7.2	AVRG
Toluene d8(SURR)	0.91408	0.91139	0.3	AVRG

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509330
 Instrument ID: VMS02 CalibrationDate: 05/28/08 Time: 1012
 CCV ID: CCV608175 Lab File ID: 50CCV22.D Init. Calib. Date Begin: 05/20/08 End: 05/20/08
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES
 Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
4-Bromofluorobenzene(SURR)	1.34129	1.238	7.7	AVRG
1,2-Dichloroethane-d4(SURR)	0.05471	0.05323	2.7	AVRG

DRY WEIGHT

PERCENT SOLIDS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP R1 / 364298.01.SL.R1.FW

Lab Code : PEL Case No. SAS No: SDG NO.: 2509330

Lab ID	Client ID	Percent Solids
250933001	SB-01-S-30	79.2
250933002	SB-02-S-30	81.8
250933003	FD-052108A	80.9

Chain of Custody Documentation

8405 Benjamin Rd, Suite A
Tampa, FL 33636
Phone: 813-888-9507
E-Mail: login@pelab.com

Chain of Custody Record Record/Work Request

1010000 1000101 1100110

PEL Laboratories, Inc.

2509330 PDS

Page 1 of 1

DEP Form #: 62-770.900(2)

Form Title: Chain of Custody Record

Effective Date: September 23, 1997

FDEP Facility No.

Project Name:

Sampling CompQAP No:

Approval Date:

REQUESTED DUE DATE

/ /

Remarks Lab. No.

Company: CHIM HILL		Project Name/Number: SLOP Z1 364298.01,SL.R1.FW									
Address: 727 N. Fiess St., Suite 400 St. Louis, MO 63102		Project Manager: Chris English									
Phone: 314-355-3023 Fax: 314-421-3927		Purchase Order:									
Print Names(s) / Affiliation Tony Swanson / CHIM HILL Chris English							Preservatives (see codes)				
							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Sampler(s) Signature(s) John Swanson							Analyses Requested				
							05/21/08	Moisture			
Item No.	Field ID No.	Sampled		Grab or Composite	Matrix (see codes)	Number of Containers			Remarks	Lab. No.	
		Date	Time								
1	SB-01-S-30	5/21/08	1135	Grav	50	4	X X			-01	
2	SB-02-S-30	5/21/08	1700	Grav	50	4	X X			-02	
3	FD-052108A	5/21/08	1702	Grav	50	4	X X			-03	
4	TB-052108	5/21/08	1715	-	W	1	X			-04	
Shipment Method							← Total Number of Containers				
Out: 5/21/08	Via: FedEx	Item Nos.		Relinquished by / Affiliations		Date 5/19/08	Time 1421	Accepted by / Affiliation		Date 5/22/08	Time 0830
Returned: / /	Via:			R. S. & C. English							
Additional Comments:						5/21/08	1830	C&S		5/22/08	0830
<i>Preweighed vials received</i>											
Cooler No. (s) / Temperature(s) (C)							Sampling Kit No.		Equipment ID No.		
LIC											
MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify) METHANOL & DI WATER											
PRESERVATION CODES: H=Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify) METHANOL & DI WATER											

FedEx® US Airbill

Express

FedEx
Tracking
Number

8635 0172 4595

1 From

Date 5/21/98

Sender's Name Glen Reavis

Phone 319 421-5700

Company CIMH

Address 707 N. First St.

City STL State MO ZIP 63102

Dept./Floor/Suite/Room

2 Your Internal Billing Reference 364248.01.SL.RI.Fw/41500

3 To

Recipient's Name Sample Receiving

Phone 813 888-7507

Company PEL Labs

Recipient's Address 8405 Benjamin Rd. S.I.H.A.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

To request a package be held at a specific FedEx location, print FedEx address here.

City Tampa State FL ZIP 33636

33606

8635 0172 4595



Recipient's Copy

4a Express Package Service

<input checked="" type="checkbox"/> FedEx Priority Overnight Next business morning* Friday Shipments will be delivered on Monday unless SATURDAY Delivery is selected.	<input type="checkbox"/> FedEx Standard Overnight Next business overnight* Saturday Delivery NOT available.	Packages up to 150 lbs.
<input type="checkbox"/> FedEx 2Day Second business day* Thursday Shipments will be delivered on Monday unless SATURDAY Delivery is selected.	<input type="checkbox"/> FedEx Express Saver Third business day* Saturday Delivery NOT available. FedEx Express rate not available. Minimum charge: One-pound rate.	<input type="checkbox"/> FedEx First Overnight Earliest next business morning* Saturday Delivery NOT available.

* Call for Confirmation. ** To most locations.

4b Express Freight Service

<input type="checkbox"/> FedEx 1Day Freight* First business day* Friday Shipments will be delivered on Monday unless SATURDAY Delivery is selected.	<input type="checkbox"/> FedEx 2Day Freight* Second business day* Thursday Shipments will be delivered on Monday unless SATURDAY Delivery is selected.	<input type="checkbox"/> FedEx 3Day Freight* Third business day* Saturday Delivery NOT available.
---	--	--

** To most locations.

5 Packaging

<input type="checkbox"/> FedEx Envelope*	<input type="checkbox"/> FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.	<input type="checkbox"/> FedEx Box	<input type="checkbox"/> FedEx Tube	<input checked="" type="checkbox"/> Other
--	--	------------------------------------	-------------------------------------	---

* Declared value limit \$500.

6 Special Handling

<input type="checkbox"/> SATURDAY Delivery Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.	<input type="checkbox"/> HOLD Weekday at FedEx Location Not available for FedEx First Overnight.	<input type="checkbox"/> HOLD Saturday at FedEx Location Available only for FedEx Priority Overnight and FedEx 2Day to select locations.
--	--	--

Include FedEx address in Section 3.

Does this shipment contain dangerous goods?

<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes Shipper's Declaration not attached	<input type="checkbox"/> Dry Ice Dry Ice, S, UN 1945 x _____ kg
--	------------------------------	---	--

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment Bill to:

<input type="checkbox"/> Sender Select 1 W4 Select 1 W4 be billed.	<input type="checkbox"/> Recipient	<input type="checkbox"/> Third Party	<input type="checkbox"/> Credit Card	<input type="checkbox"/> Obtain Recip. Acct. No.
---	------------------------------------	--------------------------------------	--------------------------------------	--

Cash/Check

Total Packages 1 **Total Weight** 1.5 **Total Declared Value** \$ 0.00

Your liability is limited to \$100 unless you declare a higher value. See back for details.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

<input type="checkbox"/> No Signature Required Package may be left without obtaining a signature for delivery. Fee applies.	<input type="checkbox"/> Direct Signature Someone at recipient's address may sign for delivery. Fee applies.	<input type="checkbox"/> Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.
--	---	--

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fedex.com 1800.GoFedEx 1800.463.3339

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2509330	Req:	85624
Client:	CH2M Hill	Project:	Hanley Area
Level:	3	Date Rec'd:	5/22/2008 8:30:00 AM
Rec'd via:	Fed-Ex	Due Date:	06/02/08

Sample Verification

Samples/Cooler Secure?	<input type="checkbox"/> Yes	All Samples on COC accounted For?	<input type="checkbox"/> Yes
Temperature of Samples(Celsius)	<input type="checkbox"/> 4C	All Samples Rec'd Intact?	<input type="checkbox"/> Yes
pH Verified?	<input type="checkbox"/> No	Sample Vol. Stuff. For Analysis?	<input type="checkbox"/> Yes
pH WNL?	<input type="checkbox"/> No	Samples Rec'd W/I Hold Time?	<input type="checkbox"/> Yes
Soil Origin (Domestic/Foreign):	<input type="checkbox"/> Domestic	Are All Samples to be Analyzed?	<input type="checkbox"/> Yes
Site Location/Project on COC?	<input type="checkbox"/> Yes	Correct Sample Containers?	<input type="checkbox"/> Yes
Client Project # on COC?	<input type="checkbox"/> Yes	COC Comments written on COC?	<input type="checkbox"/> Yes
Project Mgr. Indicated on COC?	<input type="checkbox"/> Yes	Samplers Initials on COC?	<input type="checkbox"/> Yes
COC relinquished/Dated by Client?	<input type="checkbox"/> Yes	Sample Date/Time Indicated?	<input type="checkbox"/> Yes
COC Received/Dated by PEL?	<input type="checkbox"/> Yes	TAT Requested:	<input type="checkbox"/> STD
Specific Subcontract Indicated?	<input type="checkbox"/> No	Client Requests Verbal Results?	<input type="checkbox"/> No
Samples Received By	<input type="checkbox"/> Fed-Ex	Client Requests Faxed Results?	<input type="checkbox"/> No
PEL to Conduct ALL Analyses?	<input type="checkbox"/> Yes		

PEER REVIEW

Client: CH2M Hill

WONo: 2509330

Profile Name: SLOP2

Profile #: 85624

MATRIX S

Sample #	Parameter	Relinquished	Received	Date	Time
01 - 03	Dry Weight Dry Weight	LC	GG	5/27/08	10:00
01 - 03	Dry Weight Dry Weight	GG	LC	5/27/08	11:00
01 - 03	8260 Volatile Organic Compounds	LC	MS	5/27/08	12:00
01 - 03	8260 Volatile Organic Compounds		consum		

Additional:

MATRIX W

Sample #	Parameter	Relinquished	Received	Date	Time
04	8260 Volatile Organic Compounds	LC	MS	5/27/08	12:00
04	8260 Volatile Organic Compounds		consum		

Additional:

Comments:

Addendum

Letter of Acceptance

Customer Name: CH2M Hill
Date and Time Received: 5/22/2008 8:30:00 AM
Date to be Reported: 6/03/2008
Laboratory Submission Number/SDG: 2509330
Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2509330
Project: SLOP R1 / 364298.01.SL.R1.FW
Samples: The submission consisted of 4 samples with sample identification shown in the attached data tables.
Tests: The Samples will be analyzed for EPA methods: 8260.

Sample Custody/COC discrepancies:

None.

Notes:

10-day TAT.

Distribution of Report to:

CH2M Hill
Attn: C. English
Phone: W 816-318-9016

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level: 3

Total of: 4 analyses on 4 samples (including QC)

27-May-08

Report/SDG #: 2509330

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
SB-01-S-30	250933001		S	5/21/2008 11:35:00 AM	5/22/2008 8:30:00 AM
Method					
8260	Volatile Organic Compounds			8260	
SampleID					
SB-02-S-30	250933002		S	5/21/2008 5:00:00 PM	5/22/2008 8:30:00 AM
Method					
8260	Volatile Organic Compounds			8260	
SampleID					
FD-052108A	250933003		S	5/21/2008 5:02:00 PM	5/22/2008 8:30:00 AM
Method					
8260	Volatile Organic Compounds			8260	
SampleID					
TB-052108	250933004		WQ	5/21/2008 5:15:00 PM	5/22/2008 8:30:00 AM
Method					
8260	Volatile Organic Compounds			8260	

Darcy Weisman

From: Darcy Weisman
Sent: Thursday, May 29, 2008 8:35 AM
To: 'Dave.Lee@ch2m.com'
Subject: FW: high level methanol soil analysis: 2509330 8260 -slop2

Good morning.

-----Original Message-----

From: Mark Jacobs
Sent: Thursday, May 29, 2008 8:22 AM
To: Project Managers
Cc: Lisa Pelo
Subject: high level methanol soil analysis: 2509330 8260 -slop2

Sample SB-01-S-30 was unable to be analyzed low level required a high level methanol dilution of 1:50 due to high concentration of target and non-target compounds.

Mark W. Jacobs
Volatiles GC/MS Analyst, Tampa Division
PEL, a division of Spectrum Analytical Featuring Hanibal Technology
813-888-9507 X230

Darcy Weisman

From: Dave.Lee@ch2m.com
Sent: Thursday, May 22, 2008 10:48 AM
To: Darcy Weisman
Cc: daniel.price@ch2m.com; Anthony.Swierczek@CH2M.com
Subject: SLOP Sample IDs Need Change

Hi Darcy,

We sent a few samples last night, you should receive them today. Could you please update the Sample IDs? Instead of beginning with "SB", the samples should begin with "CB".

Thanks,
Dave

David Lee
CH2M Hill
St. Louis MO
(314) 335-3023
dave.lee@ch2m.com

Darcy Weisman

From: Dave.Lee@ch2m.com
Sent: Friday, June 27, 2008 10:29 AM
To: Darcy Weisman
Subject: RE: SLOP TCLP analysis

Hi Darcy,

Happy Friday!

For the TCLP request below, all the samples are contained in SDG 2509258, sampled 05/13/08

For the "full list" VOCs, they will apply to SDGs:

2509330
2509349
2509356
2509399
2509443
2509451
2509461
2509538

How soon do you think we could get the revised pdfs and EDDs?

Thanks,
Dave

From: Lee, Dave/STL
Sent: Thursday, June 26, 2008 11:31 AM
To: 'Darcy Weisman'
Subject: RE: SLOP TCLP analysis

Hi Darcy,

For the TCLP request below, I haven't had a chance to compile dates. I'll try to this afternoon, I've got a few meetings to attend first.

Regarding our other request for "full list" VOCs, they will apply to samples: confirmation soil samples (CB-01 through CB-07), confirmation groundwater samples (CB-01, CB-02, CB-04, and CB-06), and groundwater samples (MW-106 through MW-117). I'll work this afternoon to compile these dates as well.

If you get a chance, and if you can have your LIMS person query the dates, that would help. I've been fighting fires, having a hard time finding the time to query the dates. If not, I'll get them together this afternoon.

Thanks for your help!
Dave

From: Darcy Weisman [mailto:dweisman@PELAB.com]
Sent: Wednesday, June 25, 2008 2:13 PM
To: Lee, Dave/STL
Subject: RE: SLOP TCLP analysis

Importance: High

Good afternoon Dave. Do you happen to know the sample date for these samples?

-----Original Message-----

From: Dave.Lee@ch2m.com [mailto:Dave.Lee@ch2m.com]
Sent: Tuesday, June 24, 2008 1:08 PM
To: Darcy Weisman
Subject: FW: SLOP TCLP analysis

Hi Darcy,

We had some samples on hold for the SLOP project. We wanted to evaluate the Arsenic results before selecting which samples to analyze by TCLP. Can you please proceed with the samples listed below?

Thanks,
Dave

From: Swierczek, Anthony/STL
Sent: Tuesday, June 24, 2008 9:35 AM
To: Lee, Dave/STL
Cc: Price, Daniel/STL
Subject: SLOP TCLP analysis

Dave -

Could you contact the lab and let them know to run the TCLP metals analyses on the surface soil samples that had the highest arsenic hits? These would be:

- | HA-05-S-00
- | HA-06-S-00
- | HA-11-S-00
- | HA-13-S-00
- | HA-15-S-00

Thanks,

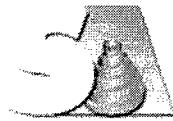
Tony

Anthony Swierczek
CH2M HILL
727 North First Street, Suite 400
St. Louis, MO 63102
Office: 314.335.3043
Fax: 314.421.3927
email: aswiercz@ch2m.com



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featuring HANIBAL TECHNOLOGY



Customer Name: CH2M Hill

Date and Time Received: 5/23/2008 8:25:00 AM

Date Reported: 7/10/2008

Laboratory Submission Number/SDG: 2509349 R1

Project: SLOP RI 364248.01.SL.RI.FW

Samples: The submission consisted of 5 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

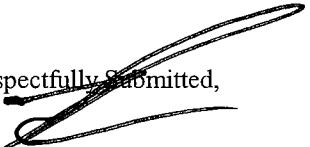
Distribution of Report to:

CH2M Hill

Attn: Dave Lee

Phone: W 314-421-0900

Respectfully Submitted,


Brian Spann

Laboratory Director

PEL a division of Spectrum Analytical, Inc.

featuring Hanibal Technology

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

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Report Revision LOG

SDG: 2509349

Revision	Reason
R1	Report revised to report a long list of VOCs as requested by client.

Organics	2
METHOD 8260 GC/ MS VOLATILE ORGANICS	5
Sample Data	9
QC Summary	28
Standards Data	51
Dry Weight.....	76
Chain of Custody Documentation.....	78
Addendum	84

EXECUTIVE SUMMARY - Detection Highlights

2509349

SAMPLE ID: CB-01-W-30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
1,1,2-Trichloroethane	2.3 J	5	UG/L	SW8260B
Benzene	4 J	5	UG/L	SW8260B
Carbon disulfide	2.9 J	5	UG/L	SW8260B
Carbon tetrachloride	5000 E	5	UG/L	SW8260B
Naphthalene	10.1	5	UG/L	SW8260B
o-Xylene	13.2	5	UG/L	SW8260B
p,m-Xylene	10.6	10	UG/L	SW8260B
Toluene	3.7 J	5	UG/L	SW8260B

SAMPLE ID: CB-01-W-30DL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Carbon tetrachloride	4160 E	20	UG/L	SW8260B
Chloroform	790	20	UG/L	SW8260B
Trichloroethene	1040	20	UG/L	SW8260B

SAMPLE ID: CB-04-S-19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
1,2-Dichloroethane	33	2.4	UG/KG	SW8260B
Tetrachloroethene	1.8 J	6	UG/KG	SW8260B

Organics

Organic Data Qualifiers

- U** Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.
- J** Indicates estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.
- B** Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.
- E** Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.
- D** Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.
- C** The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.
- P** This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.
- N** This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.
- A** This qualifier indicates that a TIC is a suspected aldol-condensation product.
- X** Data flagged as rejected by analyst utilizing analytical judgement.

Organic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

- DL** Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.
- R** Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.
- RE** Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.
- MS** Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).
- SD** Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

GC/MS VOLATILE ORGANICS
METHOD 8260

**CASE NARRATIVE
GC/MS VOLATILE ORGANICS**

PEL Lab Reference No./SDG: 2509349

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

- A. Sample Preparation:** All holding times were met.
- B. Sample Analysis:** All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

Soil samples were prepared by SW846/5035 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

Water samples were prepared by SW846/5030 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met. It should be noted that the secondary source check for Acrylonitrile did not meet the PEL criteria of +/- 25%. It was exceeded high, but was not an issue until the analyte list changed to the longer list as requested by the project chemist.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:

LCS 052708LCS12 was analyzed with the soil samples on 05/27/08. The following analyte was recovered below criteria: Methylene chloride at 44.5 % with criteria of (78-122). The following analyte(s) were recovered above criteria: Acrolein at 134 % with criteria of (70-111), Acrylonitrile

**CASE NARRATIVE
GC/MS VOLATILE ORGANICS**

PEL Lab Reference No./SDG: 2509349

Client: CH2M Hill

at 132 % with criteria of (74-117), Vinyl acetate at 132 % with criteria of (60-115). The following analyte(s) had marginal exceedance limit failures: Acrolein at 134 % with criteria of (63.2-117.8), Acrylonitrile at 132 % with criteria of (66.8-124.2), Methylene chloride at 44.5 % with criteria of (70.7-129.3), Vinyl acetate at 132 % with criteria of (50.8-124.2). No further action was taken, since the analyte list changed to a longer list and these analytes were not previously an issue.

Samples coded accordingly.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

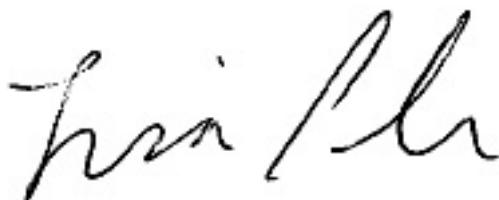
Sample analysis proceeded normally. Client specified reporting limits were used.

Please note that this is a resubmittal due to the analyte list being changed by the project chemist.

All samples were screened prior to GC/MS analysis.

Sample CB-01-W-30 could not be analyzed full due to high concentrations of Trichloroethene and Carbon tetrachloride. The Carbon tetrachloride result was still over the calibration range, but was not diluted further because it was not on the original target list. Dilutions of 1:5 and 1:20 are reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.



SIGNED:

DATE: 07/10/2008

VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc.

Contract: SLOP RI 364248.01.SL.RI.FW

Lab Code : PEL Case No. SAS No: SDG No.: 2509349

Method: 8260

EPA Sample No	Lab Sample ID
CB-03-S-8	250934901
CB-04-S-19	250934902
CB-01-W-30	250934903
CB-01-W-30DL1	250934903DL1
CB-02-W-30	250934904
TB-052208	250934905

Sample Data

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-03-S-8
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	SOIL		Lab Sample ID:	250934901 Lab File ID: 34901.D
Sample wt/vol:	5.4	Units: G	Date Received:	05/23/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/27/08 Time: 1046
Percent Solids:	76.5	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18	(mm)	
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	2.4	U
74-87-3	Chloromethane	2.4	U
75-01-4	Vinyl chloride	2.4	U
74-83-9	Bromomethane	2.4	U
75-00-3	Chloroethane	6	U
75-69-4	Trichlorofluoromethane	2.4	U
75-35-4	1,1-Dichloroethene	2.4	U
107-02-8	Acrolein	30.3	U
74-88-4	Methyl iodide	2.4	U
75-15-0	Carbon disulfide	2.4	U
75-09-2	Methylene chloride	6	U
156-60-5	trans-1,2-Dichloroethene	2.4	U
107-13-1	Acrylonitrile	6	U
75-34-3	1,1-Dichloroethane	2.4	U
67-64-1	Acetone	12.1	U
594-20-7	2,2-Dichloropropane	2.4	U
156-59-2	cis-1,2-Dichloroethene	2.4	U
74-97-5	Bromochloromethane	2.4	U
78-93-3	2-Butanone	12.1	U
67-66-3	Chloroform	2.4	U
71-55-6	1,1,1-Trichloroethane	2.4	U
56-23-5	Carbon tetrachloride	2.4	U
563-58-6	1,1-Dichloropropene	2.4	U
71-43-2	Benzene	2.4	U
107-06-2	1,2-Dichloroethane	2.4	U
79-01-6	Trichloroethene	2.4	U
108-05-4	Vinyl acetate	2.4	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-03-S-8
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	SOIL		Lab Sample ID:	250934901 Lab File ID: 34901.D
Sample wt/vol:	5.4	Units: G	Date Received:	05/23/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/27/08 Time: 1046
Percent Solids:	76.5	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18	(mm)	
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	2.4	U
74-95-3	Dibromomethane	2.4	U
75-27-4	Bromodichloromethane	2.4	U
10061-01-5	cis-1,3-Dichloropropene	2.4	U
108-10-1	4-Methyl-2-pentanone	12.1	U
108-88-3	Toluene	2.4	U
10061-02-6	trans-1,3-Dichloropropene	2.4	U
79-00-5	1,1,2-Trichloroethane	2.4	U
127-18-4	Tetrachloroethene	6	U
142-28-9	1,3-Dichloropropane	2.4	U
591-78-6	2-Hexanone	12.1	U
124-48-1	Dibromochloromethane	2.4	U
106-93-4	1,2-Dibromoethane(EDB)	2.4	U
108-90-7	Chlorobenzene	2.4	U
630-20-6	1,1,1,2-Tetrachloroethane	2.4	U
100-41-4	Ethylbenzene	2.4	U
511-39-00	p,m-Xylene	4.8	U
95-47-6	o-Xylene	2.4	U
100-42-5	Styrene	2.4	U
75-25-2	Bromoform	6	U
98-82-8	Isopropylbenzene (Cumene)	2.4	U
108-86-1	Bromobenzene	2.4	U
79-34-5	1,1,2,2-Tetrachloroethane	2.4	U
96-18-4	1,2,3-Trichloropropane	2.4	U
103-65-1	n-Propylbenzene	2.4	U
95-49-8	2-Chlorotoluene	2.4	U
106-43-4	4-Chlorotoluene	2.4	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-03-S-8
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	SOIL		Lab Sample ID:	250934901 Lab File ID: 34901.D
Sample wt/vol:	5.4	Units: G	Date Received:	05/23/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/27/08 Time: 1046
Percent Solids:	76.5	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18	(mm)	
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	2.4	U
98-06-6	tert-Butylbenzene	2.4	U
95-63-6	1,2,4-Trimethylbenzene	2.4	U
135-98-8	sec-Butylbenzene	2.4	U
541-73-1	1,3-Dichlorobenzene	2.4	U
106-46-7	1,4-Dichlorobenzene	2.4	U
99-87-6	4-Isopropyltoluene	2.4	U
104-51-8	n-Butylbenzene	2.4	U
95-50-1	1,2-Dichlorobenzene	2.4	U
96-12-8	1,2-Dibromo-3-chloropropane	12.1	U
120-82-1	1,2,4-Trichlorobenzene	2.4	U
87-68-3	Hexachlorobutadiene	4.8	U
91-20-3	Naphthalene	2.4	U
87-61-6	1,2,3-Trichlorobenzene	2.4	U
1634-04-4	MTBE	2.4	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-04-S-19
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	SOIL		Lab Sample ID:	250934902 Lab File ID: 34902.D
Sample wt/vol:	5.21	Units: G	Date Received:	05/23/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/27/08 Time: 1112
Percent Solids:	79.7	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18	(mm)	
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	2.4	U
74-87-3	Chloromethane	2.4	U
75-01-4	Vinyl chloride	2.4	U
74-83-9	Bromomethane	2.4	U
75-00-3	Chloroethane	6	U
75-69-4	Trichlorofluoromethane	2.4	U
75-35-4	1,1-Dichloroethene	2.4	U
107-02-8	Acrolein	30.1	U
74-88-4	Methyl iodide	2.4	U
75-15-0	Carbon disulfide	2.4	U
75-09-2	Methylene chloride	6	U
156-60-5	trans-1,2-Dichloroethene	2.4	U
107-13-1	Acrylonitrile	6	U
75-34-3	1,1-Dichloroethane	2.4	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	2.4	U
156-59-2	cis-1,2-Dichloroethene	2.4	U
74-97-5	Bromochloromethane	2.4	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	2.4	U
71-55-6	1,1,1-Trichloroethane	2.4	U
56-23-5	Carbon tetrachloride	2.4	U
563-58-6	1,1-Dichloropropene	2.4	U
71-43-2	Benzene	2.4	U
107-06-2	1,2-Dichloroethane	33	
79-01-6	Trichloroethene	2.4	U
108-05-4	Vinyl acetate	2.4	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-04-S-19
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	SOIL		Lab Sample ID:	250934902 Lab File ID: 34902.D
Sample wt/vol:	5.21	Units: G	Date Received:	05/23/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/27/08 Time: 1112
Percent Solids:	79.7	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18	(mm)	
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	2.4	U
74-95-3	Dibromomethane	2.4	U
75-27-4	Bromodichloromethane	2.4	U
10061-01-5	cis-1,3-Dichloropropene	2.4	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	2.4	U
10061-02-6	trans-1,3-Dichloropropene	2.4	U
79-00-5	1,1,2-Trichloroethane	2.4	U
127-18-4	Tetrachloroethene	1.8	J
142-28-9	1,3-Dichloropropane	2.4	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2.4	U
106-93-4	1,2-Dibromoethane(EDB)	2.4	U
108-90-7	Chlorobenzene	2.4	U
630-20-6	1,1,1,2-Tetrachloroethane	2.4	U
100-41-4	Ethylbenzene	2.4	U
511-39-00	p,m-Xylene	4.8	U
95-47-6	o-Xylene	2.4	U
100-42-5	Styrene	2.4	U
75-25-2	Bromoform	6	U
98-82-8	Isopropylbenzene (Cumene)	2.4	U
108-86-1	Bromobenzene	2.4	U
79-34-5	1,1,2,2-Tetrachloroethane	2.4	U
96-18-4	1,2,3-Trichloropropane	2.4	U
103-65-1	n-Propylbenzene	2.4	U
95-49-8	2-Chlorotoluene	2.4	U
106-43-4	4-Chlorotoluene	2.4	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-04-S-19
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	SOIL		Lab Sample ID:	250934902 Lab File ID: 34902.D
Sample wt/vol:	5.21	Units: G	Date Received:	05/23/08
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Level:(low/med)	LOW		Date Analyzed:	05/27/08 Time: 1112
Percent Solids:	79.7	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18 (mm)		
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	2.4	U
98-06-6	tert-Butylbenzene	2.4	U
95-63-6	1,2,4-Trimethylbenzene	2.4	U
135-98-8	sec-Butylbenzene	2.4	U
541-73-1	1,3-Dichlorobenzene	2.4	U
106-46-7	1,4-Dichlorobenzene	2.4	U
99-87-6	4-Isopropyltoluene	2.4	U
104-51-8	n-Butylbenzene	2.4	U
95-50-1	1,2-Dichlorobenzene	2.4	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	2.4	U
87-68-3	Hexachlorobutadiene	4.8	U
91-20-3	Naphthalene	2.4	U
87-61-6	1,2,3-Trichlorobenzene	2.4	U
1634-04-4	MTBE	2.4	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-01-W-30
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934903 Lab File ID: 34903.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1552
Percent Solids:	0	decanted :		Dilution Factor: 5
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
107-02-8	Acrolein	50	U
74-88-4	Methyl iodide	10	U
75-15-0	Carbon disulfide	2.9	J
75-09-2	Methylene chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
107-13-1	Acrylonitrile	20	U
75-34-3	1,1-Dichloroethane	5	U
67-64-1	Acetone	50	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
74-97-5	Bromochloromethane	5	U
78-93-3	2-Butanone	50	U
67-66-3	Chloroform	912	E
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5000	E
563-58-6	1,1-Dichloropropene	5	U
71-43-2	Benzene	4	J
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	1210	E
108-05-4	Vinyl acetate	10	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-01-W-30
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934903 Lab File ID: 34903.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1552
Percent Solids:	0	decanted :		Dilution Factor: 5
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	3.7	J
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	2.3	J
127-18-4	Tetrachloroethene	5	U
142-28-9	1,3-Dichloropropane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane(EDB)	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
511-39-00	p,m-Xylene	10.6	
95-47-6	o-Xylene	13.2	
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene (Cumene)	5	U
108-86-1	Bromobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
106-43-4	4-Chlorotoluene	5	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-01-W-30
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934903 Lab File ID: 34903.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1552
Percent Solids:	0	decanted :		Dilution Factor: 5
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	10.1	
87-61-6	1,2,3-Trichlorobenzene	5	U
1634-04-4	MTBE	5	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-01-W-30DL1
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934903DL1 Lab File ID: 34903D.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1616
Percent Solids:	0	decanted :		Dilution Factor: 20
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18	(mm)	
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
107-02-8	Acrolein	200	U
74-88-4	Methyl iodide	40	U
75-15-0	Carbon disulfide	20	U
75-09-2	Methylene chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
107-13-1	Acrylonitrile	80	U
75-34-3	1,1-Dichloroethane	20	U
67-64-1	Acetone	200	U
594-20-7	2,2-Dichloropropane	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
74-97-5	Bromochloromethane	20	U
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	790	
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon tetrachloride	4160	E
563-58-6	1,1-Dichloropropene	20	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	20	U
79-01-6	Trichloroethene	1040	
108-05-4	Vinyl acetate	40	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-01-W-30DL1
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934903DL1 Lab File ID: 34903D.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1616
Percent Solids:	0	decanted :		Dilution Factor: 20
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	20	U
74-95-3	Dibromomethane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-pentanone	100	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	20	U
142-28-9	1,3-Dichloropropane	20	U
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane(EDB)	20	U
108-90-7	Chlorobenzene	20	U
630-20-6	1,1,1,2-Tetrachloroethane	20	U
100-41-4	Ethylbenzene	20	U
511-39-00	p,m-Xylene	40	U
95-47-6	o-Xylene	11.7	J
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropylbenzene (Cumene)	20	U
108-86-1	Bromobenzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
96-18-4	1,2,3-Trichloropropane	20	U
103-65-1	n-Propylbenzene	20	U
95-49-8	2-Chlorotoluene	20	U
106-43-4	4-Chlorotoluene	20	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-01-W-30DL1
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934903DL1 Lab File ID: 34903D.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1616
Percent Solids:	0	decanted :		Dilution Factor: 20
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	20	U
98-06-6	tert-Butylbenzene	20	U
95-63-6	1,2,4-Trimethylbenzene	20	U
135-98-8	sec-Butylbenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
99-87-6	4-Isopropyltoluene	20	U
104-51-8	n-Butylbenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	40	U
120-82-1	1,2,4-Trichlorobenzene	20	U
87-68-3	Hexachlorobutadiene	20	U
91-20-3	Naphthalene	20	U
87-61-6	1,2,3-Trichlorobenzene	20	U
1634-04-4	MTBE	20	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-02-W-30
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934904 Lab File ID: 34904.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1440
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-02-W-30
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934904 Lab File ID: 34904.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1440
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	CB-02-W-30
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934904 Lab File ID: 34904.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1440
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	TB-052208
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934905 Lab File ID: 34905.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1416
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	TB-052208
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934905 Lab File ID: 34905.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1416
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS:	UG/L			

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical, Inc.	Contract:	SLOP RI 364248.01.SL.RI.FW	TB-052208
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	250934905 Lab File ID: 34905.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/23/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 1416
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

QC Summary

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP RI 364248.01.SL.RI.FW	052708BLK12
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	SOIL		Lab Sample ID:	052708BLK12 Lab File ID: BLK12.D
Sample wt/vol:	5	Units: G	Date Received:	05/27/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/27/08 Time: 0956
Percent Solids:	100	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18 (mm)		
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
107-02-8	Acrolein	25	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	2	U
75-09-2	Methylene chloride	5	U
156-60-5	trans-1,2-Dichloroethene	2	U
107-13-1	Acrylonitrile	5	U
75-34-3	1,1-Dichloroethane	2	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
74-97-5	Bromochloromethane	2	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon tetrachloride	2	U
563-58-6	1,1-Dichloropropene	2	U
71-43-2	Benzene	2	U
107-06-2	1,2-Dichloroethane	2	U
79-01-6	Trichloroethene	2	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP RI 364248.01.SL.RI.FW	052708BLK12
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	SOIL		Lab Sample ID:	052708BLK12 Lab File ID: BLK12.D
Sample wt/vol:	5	Units: G	Date Received:	05/27/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/27/08 Time: 0956
Percent Solids:	100	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18 (mm)		
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	2	U
74-95-3	Dibromomethane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	5	U
142-28-9	1,3-Dichloropropane	2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane(EDB)	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	2	U
511-39-00	p,m-Xylene	4	U
95-47-6	o-Xylene	2	U
100-42-5	Styrene	2	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene (Cumene)	2	U
108-86-1	Bromobenzene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
103-65-1	n-Propylbenzene	2	U
95-49-8	2-Chlorotoluene	2	U
106-43-4	4-Chlorotoluene	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP RI 364248.01.SL.RI.FW	052708BLK12
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	SOIL		Lab Sample ID:	052708BLK12 Lab File ID: BLK12.D
Sample wt/vol:	5	Units: G	Date Received:	05/27/08
Concentrated Extract Volume:	5		Date Extracted:	
Level:(low/med)	LOW		Date Analyzed:	05/27/08 Time: 0956
Percent Solids:	100	decanted :	Dilution Factor:	1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID: 0.18 (mm)		
CONCENTRATION UNITS: UG/KG				

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	2	U
98-06-6	tert-Butylbenzene	2	U
95-63-6	1,2,4-Trimethylbenzene	2	U
135-98-8	sec-Butylbenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
99-87-6	4-Isopropyltoluene	2	U
104-51-8	n-Butylbenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	4	U
91-20-3	Naphthalene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U
1634-04-4	MTBE	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP RI 364248.01.SL.RI.FW	052808BLKA32
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	052808BLKA32 Lab File ID: BLK32.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/28/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 0818
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18 (mm)	
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	10	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

				EPA Sample No.
Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP RI 364248.01.SL.RI.FW	052808BLKA32
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Matrix:	WATER		Lab Sample ID:	052808BLKA32 Lab File ID: BLK32.D
Sample wt/vol:	5	Units:	ML	Date Received: 05/28/08
Concentrated Extract Volume:	5			Date Extracted:
Level:(low/med)	LOW			Date Analyzed: 05/28/08 Time: 0818
Percent Solids:	0	decanted :		Dilution Factor: 1
Extraction:	PURGETRAP		Station ID:	Method: 8260
GPC Cleanup : (Y/N)		pH:		
Column(1):	DB-624	ID:	0.18	(mm)
CONCENTRATION UNITS: UG/L				

CAS NO.	ANALYTE	RESULT	Q
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

			EPA Sample No.
Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP RI 364248.01.SL.RI.FW
			052808BLKA32
Lab Code :	PEL	Case No.	SAS No: SDG No.: 2509349
Matrix:	WATER		Lab Sample ID: 052808BLKA32 Lab File ID: BLK32.D
Sample wt/vol:	5	Units:	ML Date Received: 05/28/08
Concentrated Extract Volume:	5		Date Extracted:
Level:(low/med)	LOW		Date Analyzed: 05/28/08 Time: 0818
Percent Solids:	0	decanted :	Dilution Factor: 1
Extraction:	PURGETRAP		Station ID: Method: 8260
GPC Cleanup : (Y/N)		pH:	
Column(1):	DB-624	ID:	0.18 (mm)
CONCENTRATION UNITS: UG/L			

CAS NO.	ANALYTE	RESULT	Q
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

VOLATILE ORGANIC METHOD BLANK SUMMARY

Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP RI 364248.01.SL.RI.FW	EPA Sample No. 052708BLK12
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Lab File ID:	BLK12.D		Lab Sample ID:	052708BLK12
Instrument ID:	VMS01		Date Extracted:	
Matrix:	SOIL		Date Analyzed:	05/27/08
Level:(low/med)	LOW		Time Analyzed:	0956

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	052708LCS12	052708LCS12	LCS12.D	05/27/08	0839
2	CB-03-S-8	250934901	34901.D	05/27/08	1046
3	CB-04-S-19	250934902	34902.D	05/27/08	1112

COMMENTS:

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VOLATILE ORGANIC METHOD BLANK SUMMARY

Lab Name:	PEL, Spectrum Analytical	Contract:	SLOP RI 364248.01.SL.RI.FW	EPA Sample No. 052808BLKA32
Lab Code :	PEL	Case No.	SAS No:	SDG No.: 2509349
Lab File ID:	BLK32.D		Lab Sample ID:	052808BLKA32
Instrument ID:	VMS03		Date Extracted:	
Matrix:	WATER		Date Analyzed:	05/28/08
Level:(low/med)	LOW		Time Analyzed:	0818

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	052808LCSA32	052808LCSA32	LCS32.D	05/28/08	0618
2	TB-052208	250934905	34905.D	05/28/08	1416
3	CB-02-W-30	250934904	34904.D	05/28/08	1440
4	CB-01-W-30	250934903	34903.D	05/28/08	1552
5	CB-01-W-30DL1	250934903DL1	34903D.D	05/28/08	1616

COMMENTS:

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2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FWLab Code : PEL Case No. SAS No: SDG NO.: 2509349Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
052808BLKA32	97.8	97.6	107.0	101.0			0
052808LCSA32	102.0	99.2	105.0	99.6			0
CB-01-W-30	97.0	99.8	104.0	107.0			0
CB-01-W-30DL1	98.0	97.4	109.0	104.0			0
CB-02-W-30	99.8	101.0	108.0	103.0			0
TB-052208	100.0	98.4	104.0	102.0			0

Control Limits

S1 = Dibromofluoromethane	86 - 118
S2 = Toluene d8	88 - 110
S3 = 4-Bromofluorobenzene	86 - 115
S4 = 1,2-Dichloroethane-d4	80 - 120

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

100708 1914

2A

SOIL VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FWLab Code : PEL Case No. SAS No: SDG NO.: 2509349Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
052708BLK12	111.0	84.2	94.8	92.4			0
052708LCS12	102.0	89.0	100.0	97.8			0
CB-03-S-8	112.0	91.2	93.4	101.0			0
CB-04-S-19	111.0	87.2	98.4	100.0			0

Control Limits

S1 = Dibromofluoromethane	68 - 119
S2 = Toluene d8	59 - 127
S3 = 4-Bromofluorobenzene	54 - 126
S4 = 1,2-Dichloroethane-d4	71 - 124

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

100708 1914

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509349
 Lab File ID: BFB31.D BFB Injection Date: 05/12/08
 Instrument ID: VMS03 BFB Injection Time: 0505
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.6
173	Less than 2.0% of mass 174	0.4 (0.7)1
174	50.0 - 100.0% of mass 95	59.2
175	5.0 - 9.0% of mass 174	4.5 (7.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	58.3 (98.6)1
177	5.0 - 9.0% of mass 176	4.4 (7.5)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1 STD603113	1PPBCAL	1PPB.D	05/12/08	0625
2 STD603115	2PPBCAL	2PPB.D	05/12/08	0651
3 STD603117	5PPBCAL	5PPB.D	05/12/08	0717
4 STD603112	10PPBCAL	10PPB.D	05/12/08	0743
5 STD603114	20PPBCAL	20PPB.D	05/12/08	0808
6 STD603116	50PPBCAL	50PPB.D	05/12/08	0834
7 STD603118	60PPBCAL	60PPB.D	05/12/08	0859
8 STD603119	80PPBCAL	80PPB.R.D	05/12/08	1022
9 SSC603131	SEC32	SEC32.D	05/12/08	1047

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509349
 Lab File ID: BFB11.D BFB Injection Date: 05/23/08
 Instrument ID: VMS01 BFB Injection Time: 0607
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.2 (0.4)1
174	50.0 - 100.0% of mass 95	60
175	5.0 - 9.0% of mass 174	4.4 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	57.2 (95.3)1
177	5.0 - 9.0% of mass 176	4 (7)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD607484	20PPB	CAL4.D	05/23/08	0806
2	STD607483	10PPB	CAL3.D	05/23/08	0831
3	STD607495	5PPB	CAL2.D	05/23/08	0857
4	STD607493	2PPB	CAL1.D	05/23/08	0923
5	STD607496	60PPB	CAL6.D	05/23/08	0949
6	STD607497	80PPB	CAL7.D	05/23/08	1015
7	STD607494	50PPB	CAL5R.D	05/23/08	1057
8	SSC607498	SEC12	SEC12.D	05/23/08	1150

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509349
 Lab File ID: BFB31.D BFB Injection Date: 05/28/08
 Instrument ID: VMS03 BFB Injection Time: 0507
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.8
75	30.0 - 60.0% of mass 95	50.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6
173	Less than 2.0% of mass 174	0.5 (0.8)1
174	50.0 - 100.0% of mass 95	55.7
175	5.0 - 9.0% of mass 174	4.1 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	55.4 (99.4)1
177	5.0 - 9.0% of mass 176	3.7 (6.7)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV607878	052808CCVA32	50CCV32.D	05/28/08	0555
2	052808LCSA32	052808LCSA32	LCS32.D	05/28/08	0618
3	052808BLKA32	052808BLKA32	BLK32.D	05/28/08	0818
4	TB-052208	250934905	34905.D	05/28/08	1416
5	CB-02-W-30	250934904	34904.D	05/28/08	1440
6	CB-01-W-30	250934903	34903.D	05/28/08	1552
7	CB-01-W-30DL1	250934903DL1	34903D.D	05/28/08	1616

**VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION -
BROMOFLUOROBENZENE (BFB)**

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509349
 Lab File ID: BFB12.D BFB Injection Date: 05/27/08
 Instrument ID: VMS01 BFB Injection Time: 0716
 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) YES

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 100.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	6.1 (7.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	75.7 (95.1)1
177	5.0 - 9.0% of mass 176	4.8 (6.3)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV608313	052708CCV12	50CCV12.D	05/27/08	0811
2	052708LCS12	052708LCS12	LCS12.D	05/27/08	0839
3	052708BLK12	052708BLK12	BLK12.D	05/27/08	0956
4	CB-03-S-8	250934901	34901.D	05/27/08	1046
5	CB-04-S-19	250934902	34902.D	05/27/08	1112

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL, Spectrum Analytical, Inc.Contract: SLOP RI 364248.01.SL.RI.FWLab Code : PEL Case No. SAS No: SDG No.: 2509349Lab File ID (Standard): CAL5R.DDate Analyzed: 5/23/2008Instrument ID: VMS01Time Analyzed: 10:57GC Column: DB-624 ID: 0.18 (mm)Matrix: (soil/water) S Heated Purge: (Y/N) Yes

	IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
MID CAL STD	486579		9.70	271961		12.03	497682		6.43
UPPER LIMIT	973158		10.20	543922		12.53	995364		6.93
LOWER LIMIT	243289.5		9.20	135980.5		11.53	248841		5.93
EPA SAMPLE NO.									
1 052708LCS12	432074		9.69	229725		12.02	450886		6.42
2 052708BLK12	292263		9.69	168134		12.02	308531		6.42
3 CB-03-S-8	359311		9.69	219410		12.02	359567		6.41
4 CB-04-S-19	365150		9.69	211411		12.02	366165		6.41

IS1 = Chlorobenzene d5

UPPER LIMIT = +100%

IS2 = 1,4-Dichlorobenzene-d4

of internal standard area.

IS3 = Fluorobenzene

LOWER LIMIT = -50%

of internal standard area

Column used to flag internal standard area values with an asterisk

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509349
 Lab File ID (Standard): 50PPB.D Date Analyzed: 5/12/2008
 Instrument ID: VMS03 Time Analyzed: 8:34
 GC Column: DB-624 ID: 0.18 (mm)
 Matrix: (soil/water) W Heated Purge: (Y/N) No

	IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
MID CAL STD	846827		10.57	454683		12.98	1261447		7.26
UPPER LIMIT	1693654		11.07	909366		13.48	2522894		7.76
LOWER LIMIT	423413.5		10.07	227341.5		12.48	630723.5		6.76
EPA SAMPLE NO.									
1 052808LCSA32	1059343		10.56	516569		12.97	1567057		7.25
2 052808BLKA32	1074458		10.56	505554		12.97	1583286		7.25
3 TB-052208	1086664		10.56	510192		12.97	1595638		7.25
4 CB-02-W-30	1092259		10.56	512940		12.97	1587767		7.25
5 CB-01-W-30	1121338		10.56	541858		12.97	1632315		7.25
6 CB-01-W-30DL1	1110229		10.56	525236		12.97	1665988		7.25

IS1 = Chlorobenzene d5

IS2 = 1,4-Dichlorobenzene-d4

IS3 = Fluorobenzene

UPPER LIMIT = +100%

of internal standard area.

LOWER LIMIT = -50%

of internal standard area

Column used to flag internal standard area values with an asterisk

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW

052708LCS12

Lab Code : PEL Case No. SAS No: SDG No.: 2509349

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	21.7	108.0		20.0	52 - 139
Chloromethane	20	21.3	106.0		18.0	63 - 135
Vinyl chloride	20	21.2	106.0		21.0	65 - 129
Bromomethane	20	15.4	77.0		30.0	22 - 136
Chloroethane	20	19.9	99.5		16.0	48 - 147
Trichlorofluoromethane	20	25.6	128.0		14.0	61 - 136
1,1-Dichloroethene	20	23.7	118.0		16.0	73 - 130
Acrolein	60	80.7	134.0 *		30.0	70 - 111
Methyl iodide	20	21.3	106.0		30.0	70 - 130
Carbon disulfide	20	22.9	114.0		17.0	76 - 121
Methylene chloride	20	8.9	44.5 *		17.0	78 - 122
trans-1,2-Dichloroethene	20	22	110.0		30.0	70 - 130
Acrylonitrile	60	79.4	132.0 *		30.0	74 - 117
1,1-Dichloroethane	20	20.8	104.0		30.0	70 - 130
Acetone	60	68.7	114.0		30.0	59 - 142
2,2-Dichloropropane	20	21.4	107.0		18.0	73 - 132
cis-1,2-Dichloroethene	20	18.4	92.0		30.0	70 - 130
Bromochloromethane	20	20.9	104.0		30.0	70 - 130
2-Butanone	60	66.6	111.0		30.0	72 - 136
Chloroform	20	19.1	95.5		30.0	70 - 130
1,1,1-Trichloroethane	20	21.7	108.0		30.0	70 - 130
Carbon tetrachloride	20	23.3	116.0		30.0	70 - 130
1,1-Dichloropropene	20	20.4	102.0		30.0	70 - 130
Benzene	20	19.2	96.0		30.0	70 - 130
1,2-Dichloroethane	20	22.8	114.0		12.0	78 - 136
Trichloroethene	20	19.3	96.5		12.0	75 - 126
Vinyl acetate	20	26.4	132.0 *		30.0	60 - 115
1,2-Dichloropropane	20	20.1	100.0		30.0	70 - 130
Dibromomethane	20	19.6	98.0		13.0	82 - 133
Bromodichloromethane	20	21.2	106.0		30.0	70 - 130
cis-1,3-Dichloropropene	20	19.7	98.5		30.0	70 - 130
4-Methyl-2-pentanone	60	73.5	122.0		15.0	80 - 125

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW

052708LCS12

Lab Code : PEL Case No. SAS No: SDG No.: 2509349

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Toluene	20	17	85.0		30.0	70 - 130
trans-1,3-Dichloropropene	20	20.6	103.0		14.0	82 - 129
1,1,2-Trichloroethane	20	18.6	93.0		30.0	70 - 130
Tetrachloroethene	20	19.9	99.5		16.0	69 - 134
1,3-Dichloropropane	20	19.4	97.0		30.0	70 - 130
2-Hexanone	60	70.4	117.0		21.0	72 - 127
Dibromochloromethane	20	20.7	104.0		10.0	75 - 131
1,2-Dibromoethane(EDB)	20	18.4	92.0		30.0	70 - 130
Chlorobenzene	20	18.1	90.5		30.0	70 - 130
1,1,1,2-Tetrachloroethane	20	21.3	106.0		9.0	82 - 121
Ethylbenzene	20	17.4	87.0		30.0	70 - 130
p,m-Xylene	40	35.1	87.8		30.0	70 - 130
o-Xylene	20	18.9	94.5		30.0	70 - 130
Styrene	20	17.2	86.0		30.0	70 - 130
Bromoform	20	21.2	106.0		13.0	79 - 119
Isopropylbenzene (Cumene)	20	19.6	98.0		30.0	70 - 130
Bromobenzene	20	21.7	108.0		13.0	79 - 141
1,1,2,2-Tetrachloroethane	20	20.4	102.0		18.0	82 - 122
1,2,3-Trichloropropane	20	19.9	99.5		13.0	74 - 129
n-Propylbenzene	20	19.8	99.0		10.0	81 - 116
2-Chlorotoluene	20	20.6	103.0		12.0	81 - 122
4-Chlorotoluene	20	20.4	102.0		30.0	70 - 130
1,3,5-Trimethylbenzene	20	19.9	99.5		30.0	70 - 130
tert-Butylbenzene	20	19.7	98.5		30.0	70 - 130
1,2,4-Trimethylbenzene	20	20.3	102.0		30.0	70 - 130
sec-Butylbenzene	20	19.1	95.5		30.0	70 - 130
1,3-Dichlorobenzene	20	19.4	97.0		30.0	70 - 130
1,4-Dichlorobenzene	20	19.6	98.0		30.0	70 - 130
4-Isopropyltoluene	20	20.7	104.0		30.0	70 - 130
n-Butylbenzene	20	19.6	98.0		30.0	70 - 130
1,2-Dichlorobenzene	20	19.4	97.0		30.0	70 - 130
1,2-Dibromo-3-chloropropane	20	20.8	104.0		23.0	72 - 143

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW

052708LCS12

Lab Code : PEL Case No. SAS No: SDG No.: 2509349

COMPOUND	SPIKE ADDED UG/KG	LCS CONCENTRATION UG/KG	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	20	22.2	111.0		30.0	70 - 130
Hexachlorobutadiene	20	24.2	121.0		30.0	70 - 130
Naphthalene	20	21.8	109.0		30.0	70 - 130
1,2,3-Trichlorobenzene	20	22	110.0		30.0	70 - 130
MTBE	20	25	125.0		17.0	79 - 132

Spike Recovery: 4 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW

052808LCSA32

Lab Code : PEL Case No. SAS No: SDG No.: 2509349

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	20.6	103.0		20.0	62 - 133
Chloromethane	20	21.1	106.0		20.0	63 - 124
Vinyl chloride	20	18.7	93.5		20.0	60 - 124
Bromomethane	20	24.1	120.0		20.0	58 - 144
Chloroethane	20	21.7	108.0		20.0	72 - 135
Trichlorofluoromethane	20	19.8	99.0		21.0	74 - 135
1,1-Dichloroethene	20	20	100.0		20.0	81 - 119
Acrolein	60	56.6	94.3		20.0	61 - 125
Methyl iodide	20	19.7	98.5		20.0	56 - 133
Carbon disulfide	20	20	100.0		20.0	65 - 121
Methylene chloride	20	21.2	106.0		20.0	75 - 111
trans-1,2-Dichloroethene	20	21.3	106.0		20.0	79 - 121
Acrylonitrile	60	60	100.0		20.0	62 - 132
1,1-Dichloroethane	20	20.7	104.0		20.0	76 - 118
Acetone	60	64.1	107.0		20.0	45 - 156
2,2-Dichloropropane	20	22.7	114.0		20.0	52 - 147
cis-1,2-Dichloroethene	20	20.1	100.0		20.0	75 - 123
Bromochloromethane	20	19.9	99.5		20.0	70 - 116
2-Butanone	60	52.6	87.7		20.0	76 - 124
Chloroform	20	20.1	100.0		20.0	80 - 115
1,1,1-Trichloroethane	20	19.8	99.0		20.0	79 - 123
Carbon tetrachloride	20	19.7	98.5		20.0	67 - 138
1,1-Dichloropropene	20	21.3	106.0		20.0	80 - 119
Benzene	20	20.5	102.0		20.0	71 - 120
1,2-Dichloroethane	20	19.6	98.0		20.0	83 - 114
Trichloroethene	20	20.6	103.0		20.0	76 - 123
Vinyl acetate	20	21.3	106.0		20.0	49 - 136
1,2-Dichloropropane	20	21	105.0		20.0	74 - 118
Dibromomethane	20	20.9	104.0		20.0	75 - 119
Bromodichloromethane	20	19.8	99.0		20.0	78 - 117
cis-1,3-Dichloropropene	20	20.4	102.0		20.0	63 - 129
4-Methyl-2-pentanone	60	56.9	94.8		20.0	61 - 134

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW

052808LCSA32

Lab Code : PEL Case No. SAS No: SDG No.: 2509349

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
Toluene	20	20.1	100.0		20.0	75 - 119
trans-1,3-Dichloropropene	20	20.9	104.0		20.0	68 - 127
1,1,2-Trichloroethane	20	19.4	97.0		20.0	80 - 117
Tetrachloroethene	20	20.3	102.0		20.0	70 - 130
1,3-Dichloropropane	20	19.8	99.0		20.0	83 - 112
2-Hexanone	60	53.9	89.8		20.0	75 - 132
Dibromochloromethane	20	19.1	95.5		20.0	78 - 123
1,2-Dibromoethane(EDB)	20	20.2	101.0		20.0	84 - 121
Chlorobenzene	20	20	100.0		20.0	70 - 130
1,1,1,2-Tetrachloroethane	20	19.7	98.5		20.0	75 - 133
Ethylbenzene	20	19.9	99.5		20.0	70 - 130
p,m-Xylene	40	40.8	102.0		20.0	70 - 130
o-Xylene	20	21	105.0		20.0	70 - 130
Styrene	20	20.4	102.0		20.0	70 - 130
Bromoform	20	18.7	93.5		20.0	71 - 128
Isopropylbenzene (Cumene)	20	21.6	108.0		20.0	83 - 123
Bromobenzene	20	20.2	101.0		20.0	74 - 120
1,1,2,2-Tetrachloroethane	20	20.4	102.0		20.0	84 - 113
1,2,3-Trichloropropane	20	19.4	97.0		20.0	84 - 119
n-Propylbenzene	20	21.9	110.0		20.0	82 - 121
2-Chlorotoluene	20	21.3	106.0		20.0	70 - 130
4-Chlorotoluene	20	21.3	106.0		20.0	83 - 123
1,3,5-Trimethylbenzene	20	21.6	108.0		20.0	84 - 124
tert-Butylbenzene	20	21.2	106.0		20.0	82 - 125
1,2,4-Trimethylbenzene	20	20.7	104.0		20.0	82 - 124
sec-Butylbenzene	20	21.4	107.0		20.0	83 - 122
1,3-Dichlorobenzene	20	20.2	101.0		20.0	84 - 118
1,4-Dichlorobenzene	20	20.6	103.0		20.0	70 - 130
4-Isopropyltoluene	20	21.2	106.0		20.0	83 - 126
n-Butylbenzene	20	21.4	107.0		20.0	83 - 125
1,2-Dichlorobenzene	20	20.6	103.0		20.0	70 - 130
1,2-Dibromo-3-chloropropane	20	18.9	94.5		20.0	63 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW

052808LCSA32

Lab Code : PEL Case No. SAS No: SDG No.: 2509349

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	20	21.1	106.0		20.0	83 - 123
Hexachlorobutadiene	20	21.8	109.0		20.0	68 - 149
Naphthalene	20	20.9	104.0		20.0	80 - 131
1,2,3-Trichlorobenzene	20	21.3	106.0		20.0	73 - 141
MTBE	20	24	120.0		20.0	76 - 123

Spike Recovery: 0 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Standards Data

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP RI 364248.01.SL.RI.FW
 Lab Code : PEL Case No. SAS No: SDG No.: 2509349
 Instrument ID: VMS01 Calibration Date Begin: 05/23/08 End: 05/23/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 806 End: 1057
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF50	<u>RRF</u>	%RSD OR R^2
	RRF2 =CAL1.D RRF10 =CAL3.D	RRF5 =CAL2.D RRF20 =CAL4.D	RRF10 =CAL5R.D				
Dichlorodifluoromethane	0.547	0.503	0.494	0.554	0.482		
Chloromethane	# 0.435	0.470	0.509	0.520	0.519		#
Vinyl chloride	* 0.456	0.470	0.456	0.436	0.483		*
Bromomethane	0.315	0.319	0.290	0.207	0.128		
Chloroethane	0.250	0.211	0.231	0.151	0.120		
Trichlorofluoromethane	0.507	0.624	0.670	0.578	0.680		
1,1-Dichloroethene	* 0.620	0.623	0.659	0.576	0.700		*
Acrolein		0.050	0.054	0.028	0.044		
Methyl iodide	0.864	0.903	0.887	0.708	0.882		
Carbon disulfide	0.841	1.031	1.079	0.882	0.956		
Methylene chloride		1.732	1.129	0.661	0.580		
trans-1,2-Dichloroethene	0.599	0.610	0.629	0.590	0.682		
Acrylonitrile	0.101	0.119	0.102	0.107	0.149		
1,1-Dichloroethane	# 0.670	0.693	0.716	0.707	0.798		#
Acetone	0.718	0.339	0.222	0.156	0.155		
2,2-Dichloropropane	0.486	0.396	0.436	0.428	0.475		
cis-1,2-Dichloroethene	0.513	0.503	0.570	0.574	0.589		
Bromochloromethane	0.266	0.231	0.297	0.271	0.290		
2-Butanone		0.193	0.194	0.172	0.205		
Chloroform	* 0.798	0.752	0.832	0.836	0.900		*
1,1,1-Trichloroethane	0.528	0.514	0.602	0.570	0.669		
Carbon tetrachloride	0.411	0.423	0.457	0.489	0.584		
1,1-Dichloropropene	0.477	0.539	0.602	0.615	0.654		
Benzene	1.674	1.468	1.778	1.779	1.706		
1,2-Dichloroethane	0.633	0.571	0.625	0.583	0.697		
Trichloroethene	0.540	0.473	0.519	0.509	0.589		
Vinyl acetate	0.855	0.549	0.709	0.620	0.772		
1,2-Dichloropropane	* 0.382	0.383	0.436	0.417	0.406		*
Dibromomethane	0.275	0.279	0.320	0.309	0.359		
Bromodichloromethane	0.480	0.518	0.599	0.596	0.701		
cis-1,3-Dichloropropene	0.552	0.629	0.664	0.667	0.742		
4-Methyl-2-pentanone	0.857	0.685	0.701	0.780	0.812		
Toluene	* 1.164	1.105	1.191	1.225	1.197		*
trans-1,3-Dichloropropene	0.552	0.559	0.597	0.617	0.706		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

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 Lab Code : PEL Case No. SAS No: SDG No.: 2509349
 Instrument ID: VMS01 Calibration Date Begin: 05/23/08 End: 05/23/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 806 End: 1057
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF50	<u>RRF</u>	%RSD OR R^2
1,1,2-Trichloroethane	0.378	0.373	0.425	0.398	0.421		
Tetrachloroethene	0.461	0.443	0.472	0.453	0.501		
1,3-Dichloropropane	0.686	0.636	0.704	0.763	0.727		
2-Hexanone		0.265	0.274	0.297	0.336		
Dibromochloromethane	0.290	0.529	0.465	0.509	0.599		
1,2-Dibromoethane(EDB)	0.550	0.442	0.485	0.499	0.512		
Chlorobenzene	# 1.440	1.382	1.473	1.531	1.407		#
1,1,1,2-Tetrachloroethane	0.503	0.440	0.447	0.472	0.540		
Ethylbenzene	* 0.751	0.683	0.766	0.777	0.740		*
p,m-Xylene	0.916	0.865	0.937	0.997	0.900		
o-Xylene	1.824	1.839	1.952	2.033	1.939		
Styrene	1.495	1.417	1.605	1.704	1.547		
Bromoform	# 0.329	0.347	0.338	0.368	0.432		#
Isopropylbenzene (Cumene)	3.618	4.051	4.302	4.518	4.200		
Bromobenzene	1.644	1.499	1.540	1.703	1.585		
1,1,2,2-Tetrachloroethane	# 1.011	0.897	1.048	1.138	0.972		#
1,2,3-Trichloropropane	0.375	0.298	0.295	0.307	0.318		
n-Propylbenzene	4.646	4.605	5.004	5.632	4.940		
2-Chlorotoluene	3.180	3.108	3.303	2.999	3.176		
4-Chlorotoluene	3.417	3.375	3.505	3.750	3.477		
1,3,5-Trimethylbenzene	3.594	3.404	3.694	3.801	3.513		
tert-Butylbenzene	2.872	2.623	2.902	3.074	2.847		
1,2,4-Trimethylbenzene	3.194	3.298	3.566	3.796	3.570		
sec-Butylbenzene	4.073	4.169	4.484	4.893	4.303		
1,3-Dichlorobenzene	1.897	2.005	2.238	2.256	2.165		
1,4-Dichlorobenzene	1.869	2.148	2.171	2.146	2.117		
4-Isopropyltoluene	3.040	3.197	3.608	3.790	3.613		
n-Butylbenzene	2.708	2.803	3.039	3.520	3.099		
1,2-Dichlorobenzene	2.070	1.748	1.950	1.970	1.947		
1,2-Dibromo-3-chloropropane		0.170	0.153	0.188	0.196		
1,2,4-Trichlorobenzene	1.183	1.103	1.159	1.187	1.259		
Hexachlorobutadiene	0.378	0.333	0.354	0.332	0.405		
Naphthalene	1.948	1.930	2.093	2.256	2.263		
1,2,3-Trichlorobenzene	0.954	1.122	1.029	1.039	1.111		

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LAB FILE ID:		RRF2 =CAL1.D		RRF5 =CAL2.D				
RRF10 =CAL3.D		RRF20 =CAL4.D		RRF50 =CAL5R.D				
COMPOUND		RRF2	RRF5	RRF10	RRF20	RRF50	RRF	%RSD OR R^2
MTBE		1.211	1.099	1.265	1.117	1.049		
Dibromofluoromethane(SURR)				0.467	0.452	0.464		
Toluene d8(SURR)				1.631	1.635	1.456		
4-Bromofluorobenzene(SURR)				1.349	1.337	1.107		
1,2-Dichloroethane-d4(SURR)				0.103	0.104	0.107		

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 Instrument ID: VMS01 Calibration Date Begin: 05/23/08 End: 05/23/08
 GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 806 End: 1057
 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF60 =CAL6.D		RRF80 =CAL7.D		<u>RRF</u>	%RSD OR R^2
	RRF60	RRF80				
Dichlorodifluoromethane	0.466	0.438			0.4977	8.4
Chloromethane	# 0.499	0.449			0.48591	7.1 #
Vinyl chloride	* 0.482	0.444			0.46096	4 *
Bromomethane	0.125				0.23042	0.99291
Chloroethane	0.116				0.17988	0.99571
Trichlorofluoromethane	0.690	0.617			0.62375	10.5
1,1-Dichloroethene	* 0.763	0.789			0.67567	11.6 *
Acrolein	0.045	0.047			0.04455	19.7
Methyl iodide	0.901	0.901			0.86364	8.1
Carbon disulfide	1.067	1.043			0.98552	9.5
Methylene chloride	0.500	0.521			0.85393	0.99029
trans-1,2-Dichloroethene	0.694	0.718			0.64597	7.9
Acrylonitrile	0.138	0.142			0.12268	16.6
1,1-Dichloroethane	# 0.736	0.798			0.73125	6.8 #
Acetone	0.137	0.147			0.26767	0.9945
2,2-Dichloropropane	0.440	0.467			0.4469	7
cis-1,2-Dichloroethene	0.551	0.560			0.55131	5.8
Bromochloromethane	0.294	0.282			0.27583	8.3
2-Butanone	0.184	0.195			0.19066	5.8
Chloroform	* 0.855	0.893			0.83801	6.2 *
1,1,1-Trichloroethane	0.680	0.728			0.61316	13.3
Carbon tetrachloride	0.623	0.658			0.52072	0.99942
1,1-Dichloropropene	0.649	0.640			0.59675	11
Benzene	1.642	1.665			1.67303	6.3
1,2-Dichloroethane	0.669	0.726			0.64348	8.9
Trichloroethene	0.549	0.556			0.53354	7
Vinyl acetate	0.693	0.713			0.70167	14.1
1,2-Dichloropropane	* 0.407	0.414			0.40642	4.7 *
Dibromomethane	0.321	0.343			0.31528	9.8
Bromodichloromethane	0.657	0.688			0.60544	0.99834
cis-1,3-Dichloropropene	0.691	0.723			0.66668	9.5
4-Methyl-2-pentanone	0.754	0.846			0.77641	8.7
Toluene	* 1.136	1.148			1.1665	3.5 *
trans-1,3-Dichloropropene	0.659	0.689			0.62551	9.8

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 Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

COMPOUND	RRF60 =CAL6.D		RRF80 =CAL7.D		<u>RRF</u>	%RSD OR R^2
	RRF60	RRF80				
1,1,2-Trichloroethane	0.393	0.398			0.39798	4.9
Tetrachloroethene	0.504	0.487			0.47454	5
1,3-Dichloropropane	0.662	0.665			0.69198	6.2
2-Hexanone	0.325	0.350			0.3079	0.99914
Dibromochloromethane	0.565	0.566			0.50329	0.99819
1,2-Dibromoethane(EDB)	0.479	0.477			0.49183	6.8
Chlorobenzene	# 1.325	1.289			1.4066	5.9 #
1,1,1,2-Tetrachloroethane	0.503	0.516			0.48871	7.6
Ethylbenzene	* 0.736	0.717			0.73876	4.3 *
p.m-Xylene	0.861	0.825			0.9001	6.3
o-Xylene	1.881	1.866			1.90477	3.9
Styrene	1.500	1.430			1.5285	6.6
Bromoform	# 0.405	0.407			0.37504	10.6 #
Isopropylbenzene (Cumene)	4.175	4.234			4.15676	6.7
Bromobenzene	1.553	1.582			1.58664	4.3
1,1,2,2-Tetrachloroethane	# 0.935	0.954			0.99384	8.1 #
1,2,3-Trichloropropane	0.286	0.290			0.30999	9.9
n-Propylbenzene	4.920	5.030			4.96816	6.8
2-Chlorotoluene	3.151	3.188			3.15785	2.9
4-Chlorotoluene	3.416	3.485			3.48911	3.5
1,3,5-Trimethylbenzene	3.419	3.475			3.5572	4.1
tert-Butylbenzene	2.870	2.878			2.86666	4.6
1,2,4-Trimethylbenzene	3.581	3.576			3.51138	5.7
sec-Butylbenzene	4.396	4.531			4.40696	6.1
1,3-Dichlorobenzene	2.098	2.186			2.12064	6.1
1,4-Dichlorobenzene	2.125	2.098			2.09636	4.9
4-Isopropyltoluene	3.508	3.648			3.4863	7.7
n-Butylbenzene	3.128	3.234			3.0759	8.8
1,2-Dichlorobenzene	1.844	1.860			1.91274	5.5
1,2-Dibromo-3-chloropropane	0.198	0.210			0.18603	11.2
1,2,4-Trichlorobenzene	1.143	1.241			1.1822	4.6
Hexachlorobutadiene	0.384	0.428			0.37338	9.7
Naphthalene	2.033	2.297			2.11698	7.3
1,2,3-Trichlorobenzene	1.004	1.139			1.05682	6.5